


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒**APPLICATION FOR PERMIT TO DRILL**

<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>1. WELL NAME and NUMBER</b> HOSS 905-31 SWD		
<b>4. TYPE OF WELL</b> Water Disposal Well Coalbed Methane Well: NO				<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES		
<b>6. NAME OF OPERATOR</b> EOG Resources, Inc.				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> BADLANDS		
<b>8. ADDRESS OF OPERATOR</b> 1060 East Highway 40, Vernal, UT, 84078				<b>7. OPERATOR PHONE</b> 435 781-9111		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU61401		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>9. OPERATOR E-MAIL</b> kaylene_gardner@eogresources.com		
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		
<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		<b>20. LOCATION OF WELL</b>				
<b>LOCATION AT SURFACE</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>
<b>Top of Uppermost Producing Zone</b>		1206 FSL 1751 FWL		SESW	31	8.0 S
<b>At Total Depth</b>		1206 FSL 1751 FWL		SESW	31	23.0 E
						S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1206		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 0		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 0		<b>26. PROPOSED DEPTH</b> MD: 2700 TVD: 2700		
<b>27. ELEVATION - GROUND LEVEL</b> 4856		<b>28. BOND NUMBER</b> NM 2308		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 49-225		

**ATTACHMENTS****VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
<b>NAME</b> Kaylene Gardner	<b>TITLE</b> Regulatory Administrator
<b>SIGNATURE</b>	<b>PHONE</b> 435 781-9111
<b>API NUMBER ASSIGNED</b> 43047503030000	<b>DATE</b> 03/30/2009
<b>APPROVAL</b>	<b>EMAIL</b> kaylene_gardner@eogresources.com
 Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2700		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	1800	36.0			

**EIGHT POINT PLAN**

**HOSS 905-31 SWD**

**SE/SW, SEC. 31, T8S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

<b>FORMATION</b>	<b>TVD-RKB (ft)</b>	<b>Objective</b>	<b>Lithology</b>	
Uinta FM	17			
Green River FM	2,048			
Mahogany Oil Shale Bed	2,713			Oil
<b>TD</b>	<b>2,700</b>			

**EST. TD: 2,700'**

**Anticipated BHP: 1,165 Psig**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well.
3. Surface Casing will be set at an depth 100' above Birds Nest estimated at 1800' ±

**3. PRESSURE CONTROL EQUIPMENT: Rotating Head**

**4. CASING PROGRAM:**

<b>CASING</b>	<b>Hole Size</b>	<b>Length</b>	<b>Size</b>	<b>WEIGHT</b>	<b>Grade</b>	<b>Thread</b>	<b>Rating Collapse</b>	<b>Factor Burst</b>	<b>Tensile</b>
Conductor	17 ½"	0 – 45'	13 ⅜"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 ¼"	0– 1800' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#

**All casing will be new or inspected.**

**5. Float Equipment:**

**EIGHT POINT PLAN**

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**UINTAH COUNTY, UTAH**

**Conductor Hole Procedure (0 - 45' ± Below GL):**

No Float Equipment

**Surface Hole Procedure (Surface ± - 1600'):**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1 – 5-10' above shoe, every collar for next 3 joints (4 total).

**6. MUD PROGRAM:**

**Conductor Hole Procedure (0 - 45' ± below GL):**

Air/air mist or aerated water

**Surface Hole Procedure (Surface ± - TD):**

Air/air mist or aerated water

Anticipated mud weight 8.4 depending on actual wellbore condition encountered while drilling.

**Production Hole Procedure (Surface ± - TD):**

Anticipated mud weight 8.4 depending on actual wellbore condition encountered while drilling.

**7. VARIANCE REQUESTS:**

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**Reference:** Onshore Oil and Gas Order No. 1  
Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.

**EIGHT POINT PLAN**

**HOSS 905-31 SWD**

**SE/SW, SEC. 31, T8S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

**8. EVALUATION PROGRAM:**

**Logs:** Mud log from base of surface casing to TD.

**Open Hole Logs:** Open Hole Logs will be run consisting of the following:

**Schlumberger Platform Express: Open Hole Gamma Ray, Resistivity, and Neutron Porosity CBL**

**Cased Hole Logs:** **CBL**

**9. CEMENT PROGRAM:**

**Conductor Hole Procedure (0-45' ± Below GL)**

**Lead:** Ready Mix Cement

**Top Out:** Top out with Ready Mix Cement

Install 6' x 4' cellar ring, drill rat and mouse holes with spud rig.

**Note:** **Cement volumes will be calculated to bring cement to surface.**

**Surface Hole Procedure (Surface to 1600' ±)**

**Lead:** **427 sks** Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) & 0.25 pps  
D29 (cellophane flakes), mixed at 15.8 ppg, 1.16 ft<sup>3</sup>/sk., 4.95 gps  
water.

**Top Out:** **207 sks** Top out with Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) in mix water,  
15.8 ppg, 1.16ft<sup>3</sup>/sk., 4.95 gps via 1" tubing set at 25' if needed.

Install 6' x 4' cellar ring, drill rat and mouse holes with spud rig.

**Note:** **Cement volumes will be calculated to bring cement to surface.**

**10. ABNORMAL CONDITIONS:**

**EIGHT POINT PLAN**

**HOSS 905-31 SWD**

**SE/SW, SEC. 31, T8S, R23E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**Surface Hole (Surface - 1600'±):**

Lost circulation

**11. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

**12. Air Drilling Operations:**

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

**(Attachment: BOP Schematic Diagram)**

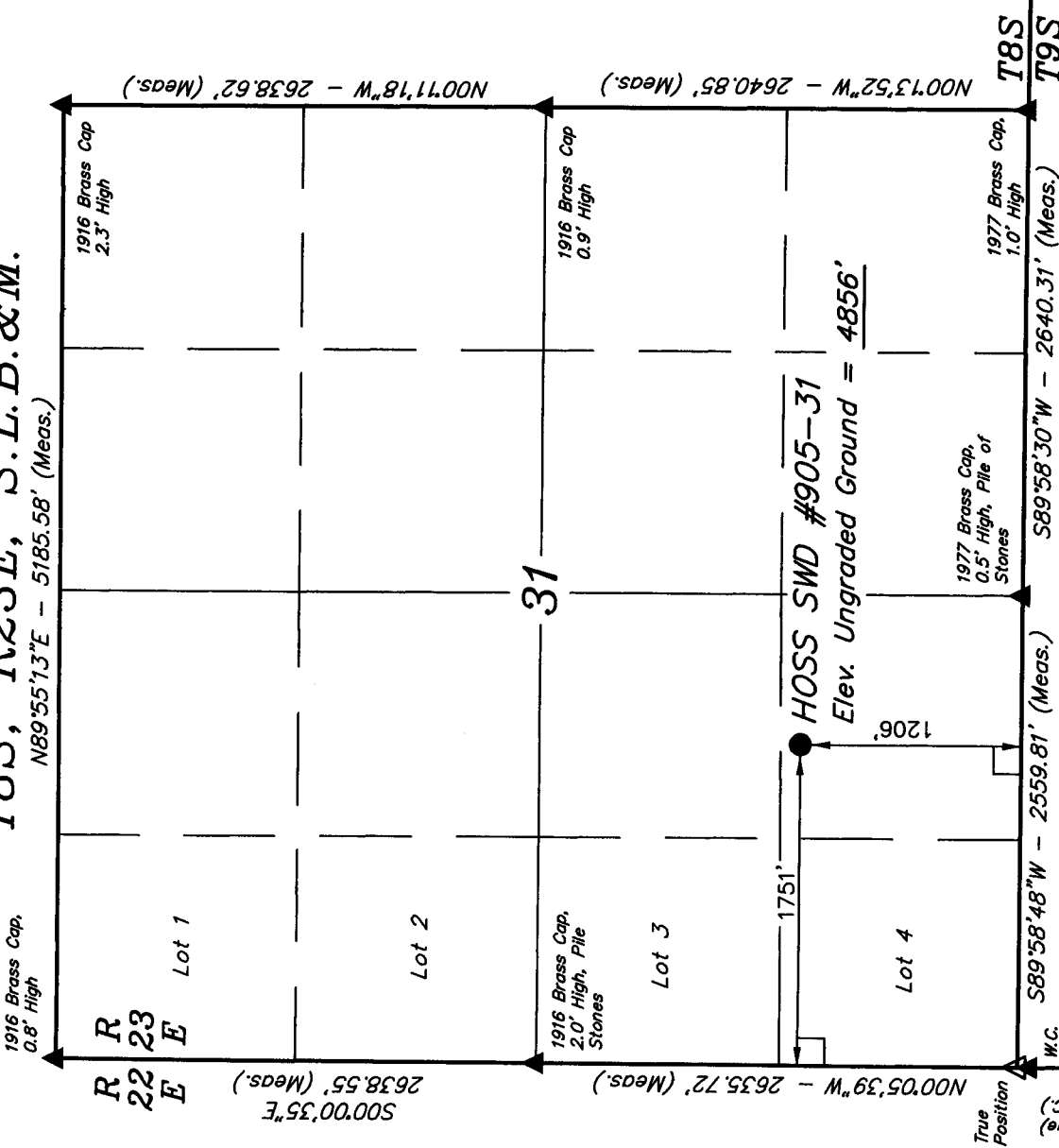
T8S, R23E, S.L.B.&M.

EOG RESOURCES, INC.

Well location, HOSS SWD #905-31, located as shown in the SE 1/4 SW 1/4, of Section 31, T8S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.



BASIS OF BEARINGS

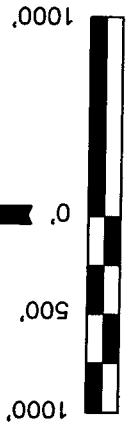
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)  
LATITUDE = 40°04'31.11" (40.075308)  
LONGITUDE = 109°22'21.59" (109.372664)  
(NAD 27)  
LATITUDE = 40°04'31.24" (40.075344)  
LONGITUDE = 109°22'19.14" (109.371983)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- W 1/4 Cor. Sec. 6, 1977 Brass Cap, 0.8' High, Pile of Stones, Set Stone

Sec. 6



SCALE

CERTIFIED LAND SURVEYOR  
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
ROBERT L. JONES  
STATE OF UTAH  
REGISTERED LAND SURVEYOR  
NO. 16419

REVISED: 05-11-07

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-19-07	DATE DRAWN: 04-25-07
PARTY L.K. J.A. S.L.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE	EOG RESOURCES, INC.

EOG RESOURCES, INC.  
HOSS SWD #905-31  
SECTION 31, T8S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 19.2 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 8.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 160' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 36.8 MILES.



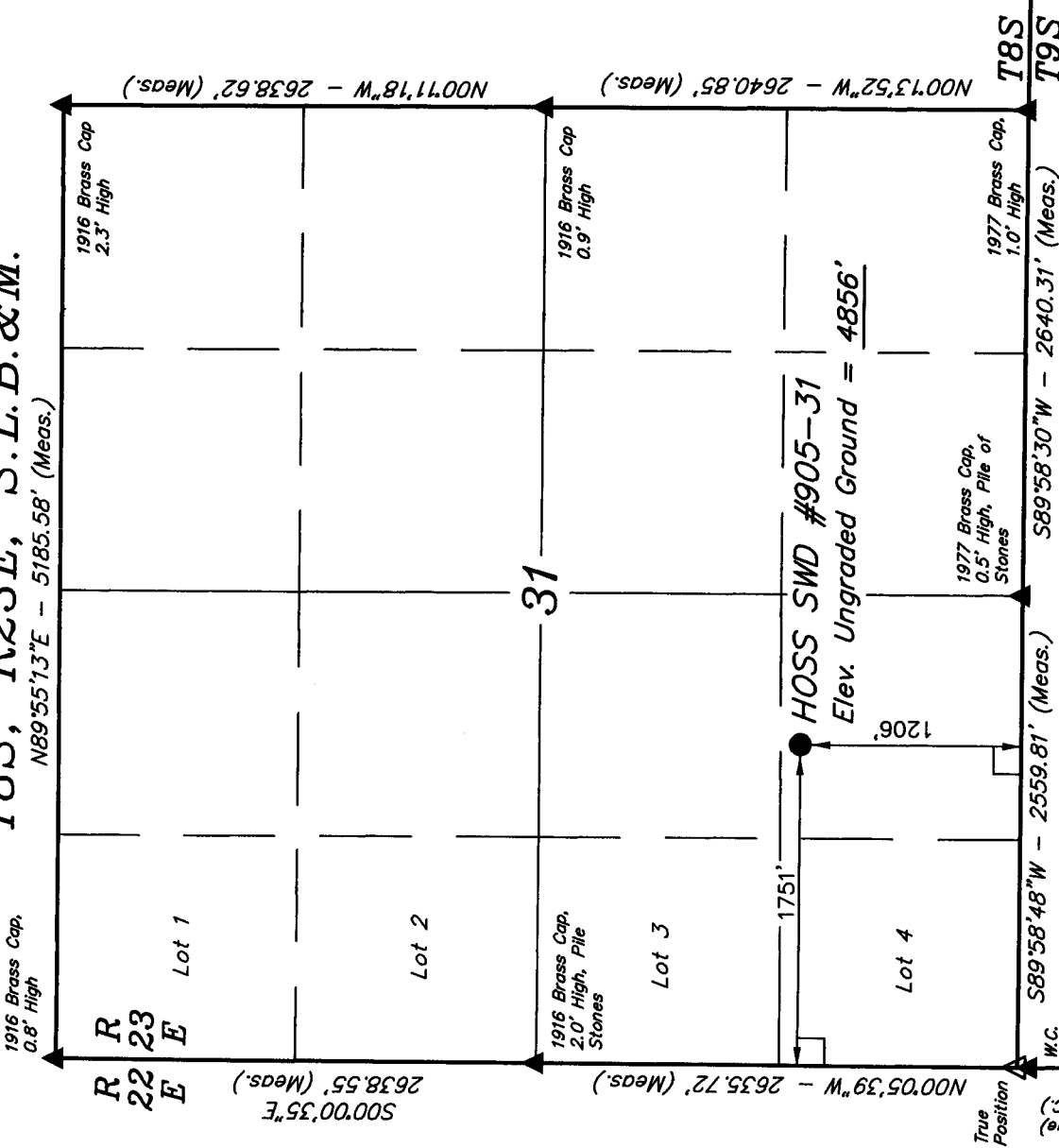
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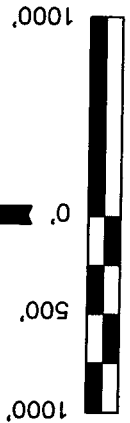
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REVISED: 05-11-07

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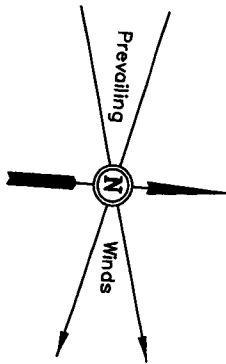
SCALE	1" = 1000'	DATE SURVEYED:	04-19-07	DATE DRAWN:	04-25-07
PARTY	L.K. J.A. S.L.	REFERENCES	G.L.O. PLAT		
WEATHER	HOT	FILE			
					EOG RESOURCES, INC.

# EOG RESOURCES, INC.

## LOCATION LAYOUT FOR

HOSS SWD #905-31  
SECTION 31, T8S, R23E, S.L.B.&M.  
1206' FSL 1751' FWL

FIGURE #1

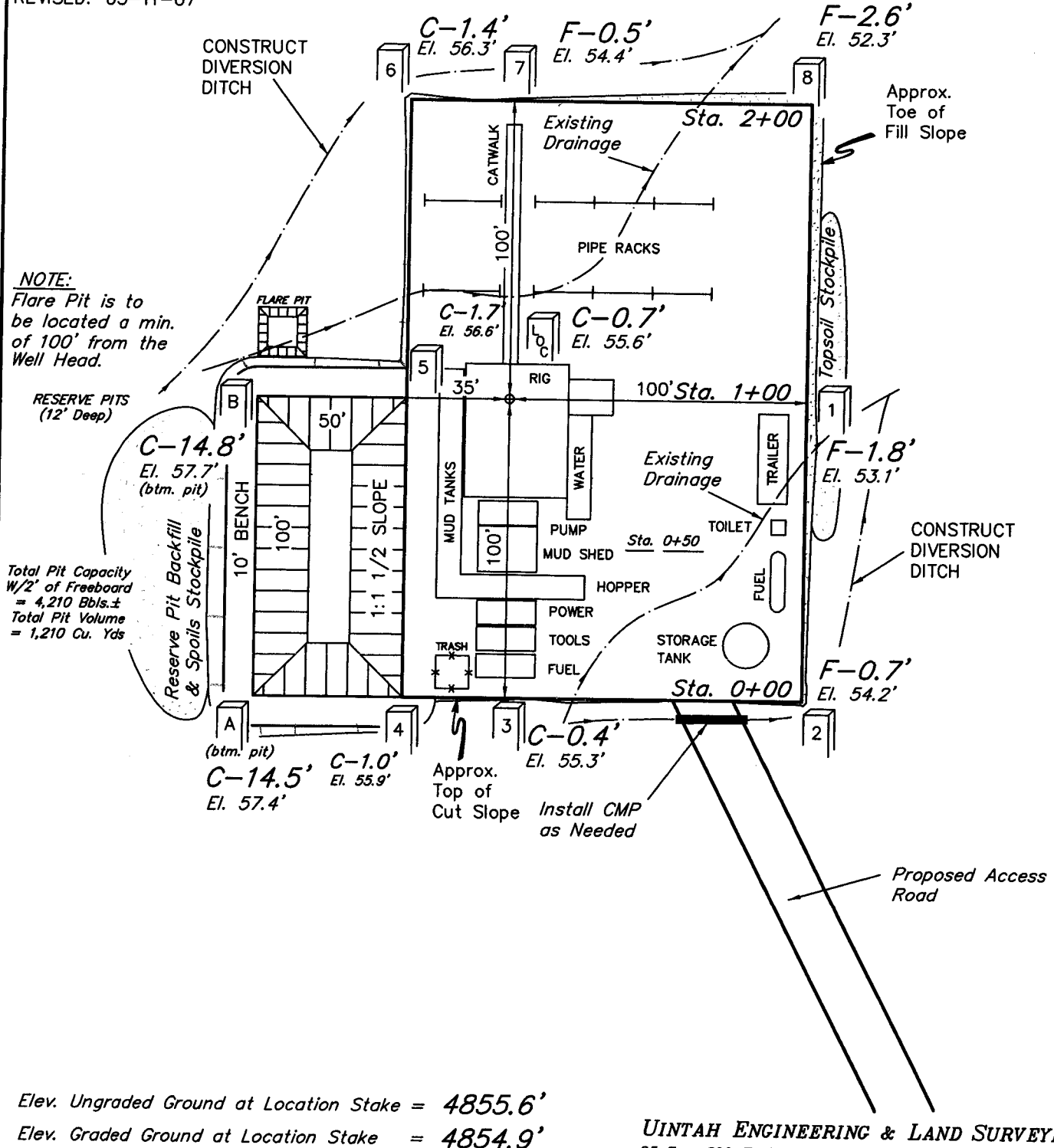


SCALE: 1" = 50'

DATE: 04-25-07

Drawn By: S.L.

REVISED: 05-11-07



# EOG RESOURCES, INC.

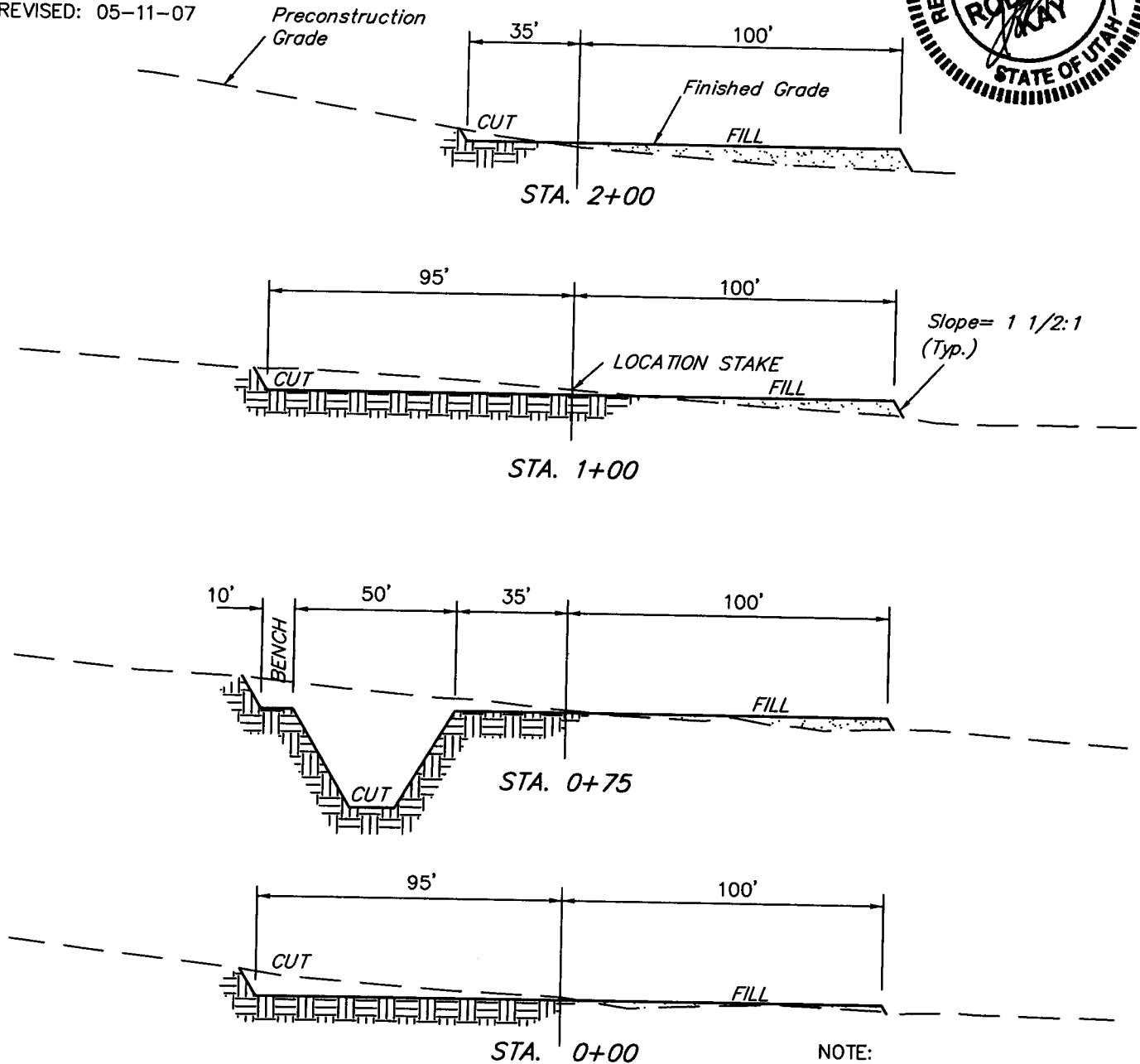
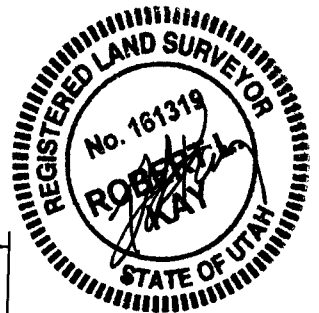
## TYPICAL CROSS SECTIONS FOR

HOSS SWD #905-31  
SECTION 31, T8S, R23E, S.L.B.&M.  
1206' FSL 1751' FWL

FIGURE #2

X-Section  
Scale  
1" = 20'  
1" = 50'

DATE: 04-25-07  
Drawn By: S.L.  
REVISED: 05-11-07



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

(6") Topsoil Stripping = 700 Cu. Yds.  
Remaining Location = 1,850 Cu. Yds.  
TOTAL CUT = 2,550 CU.YDS.  
FILL = 1,240 CU.YDS.

### NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

EXCESS MATERIAL = 1,310 Cu. Yds.  
Topsoil & Pit Backfill = 1,310 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
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**EOG RESOURCES, INC.**  
**HOSS SWD #905-31**  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T8S, R23E, S.L.B.&M.

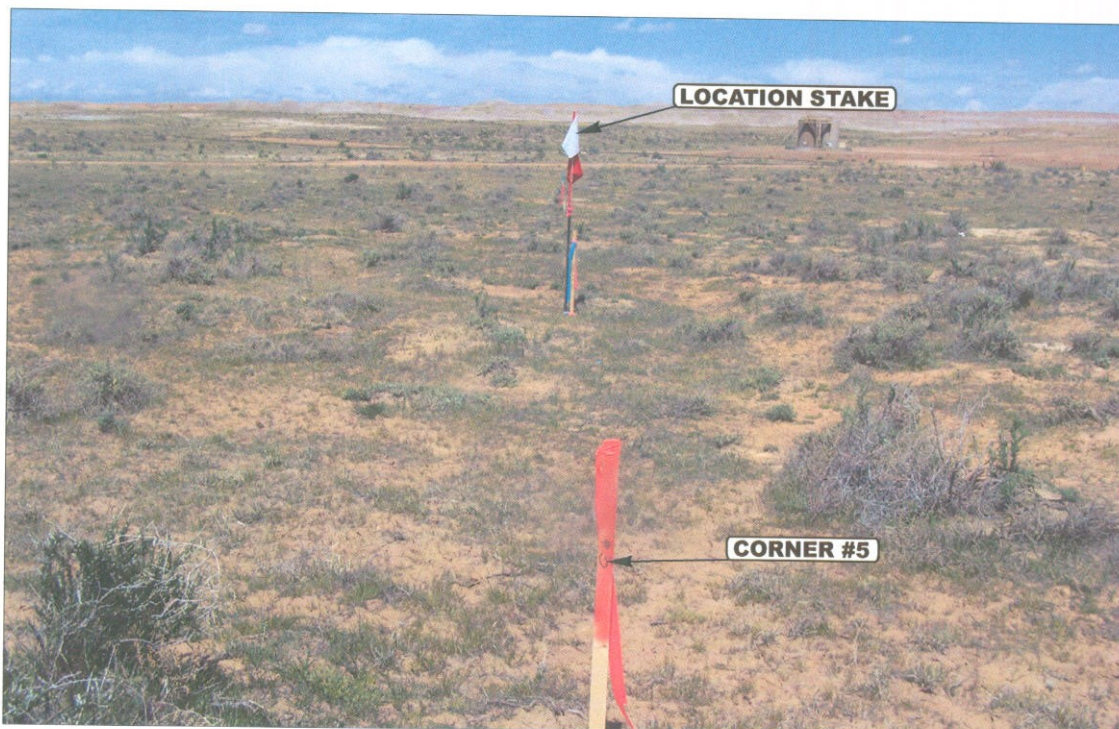


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

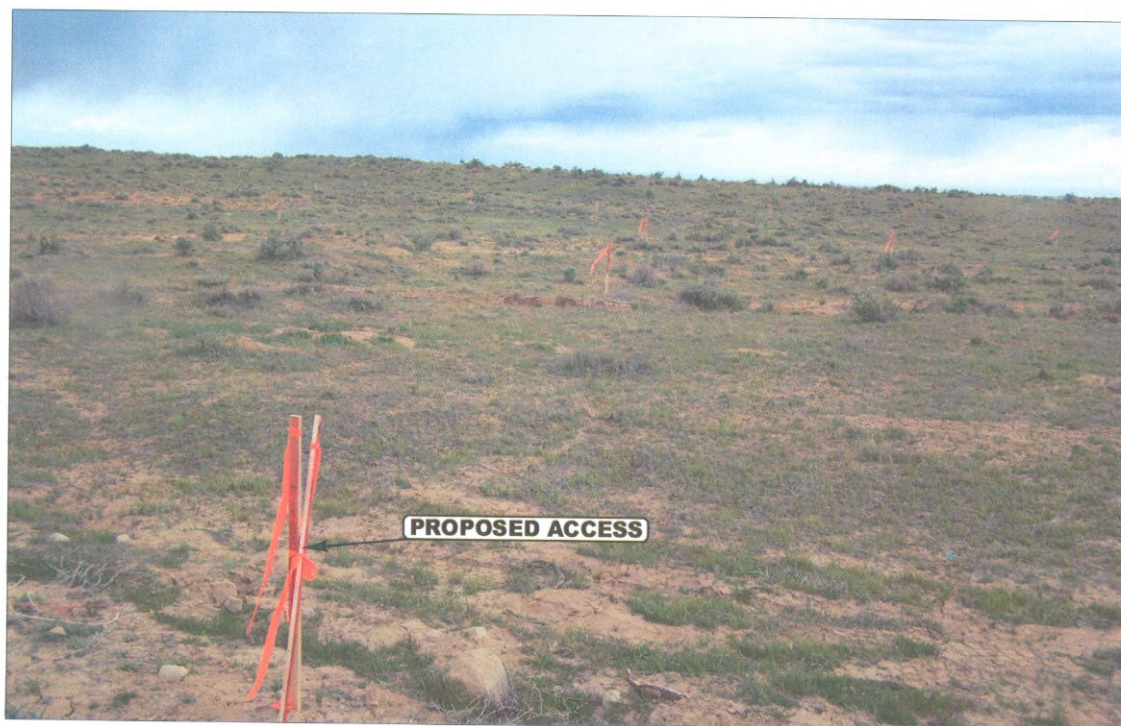


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**04 25 07**  
MONTH DAY YEAR

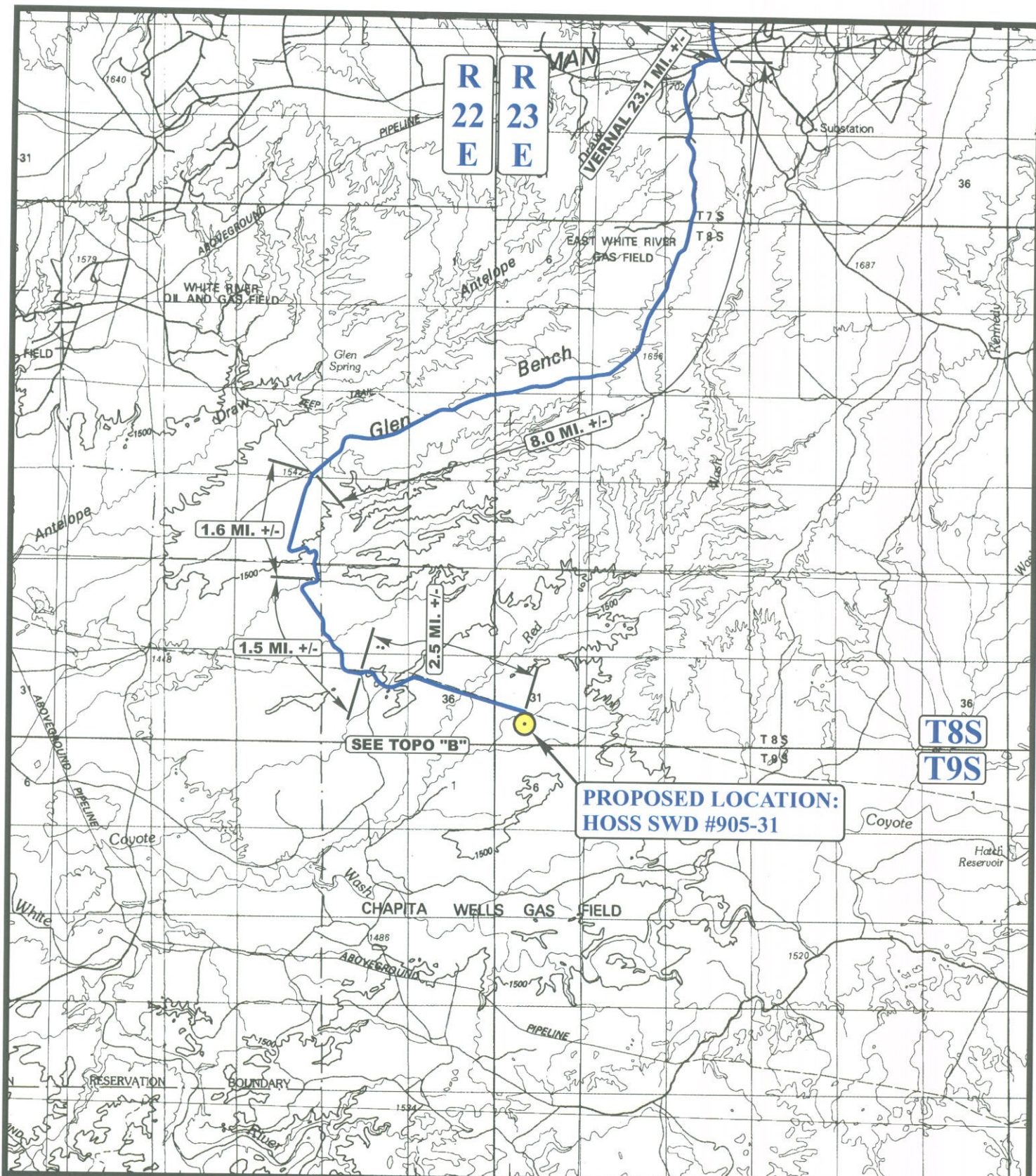
**PHOTO**

TAKEN BY: L.K.

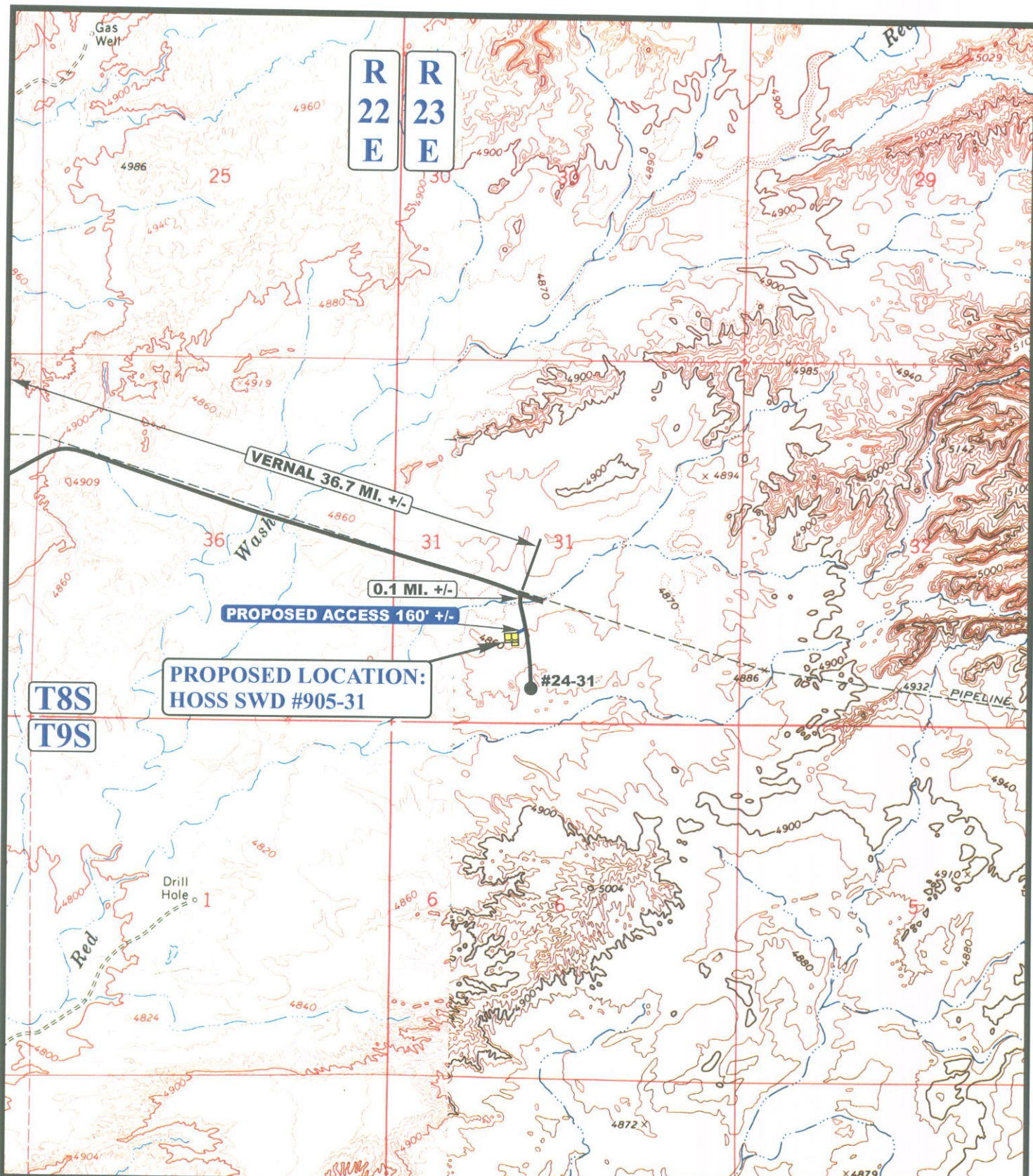
DRAWN BY: C.P.

REVISED: 05-12-07









**LEGEND:**

— EXISTING ROAD  
- - - PROPOSED ACCESS ROAD

**EOG RESOURCES, INC.**

**HOSS SWD #905-31**  
**SECTION 31, T8S, R23E, S.L.B.&M.**  
**1206' FSL 1751' FWL**



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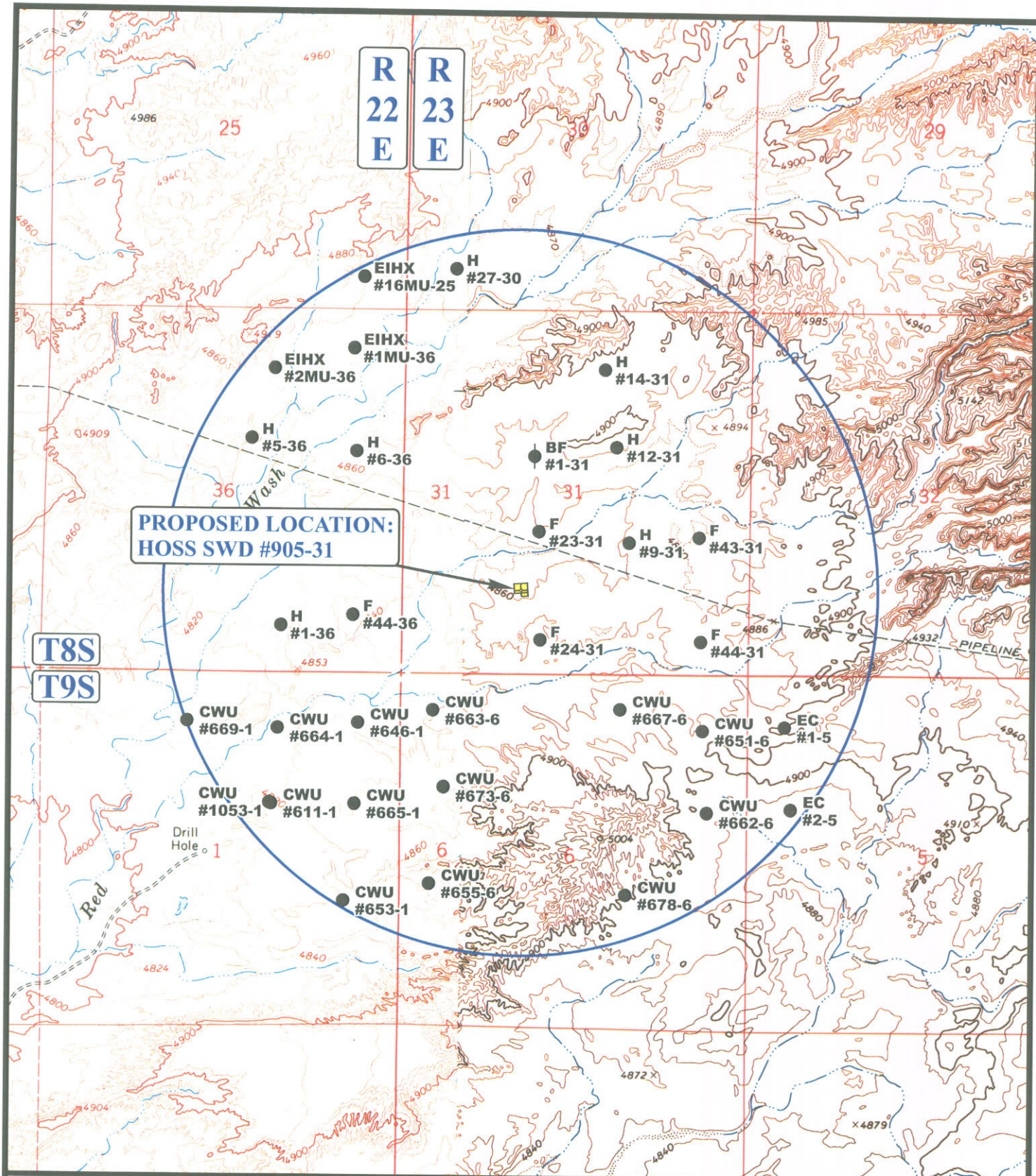
**TOPOGRAPHIC**  
**MAP**

**04** **25** **07**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 05-12-07

**B**  
**TOPO**





# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

EOG RESOURCES, INC.

HOSS SWD #905-31  
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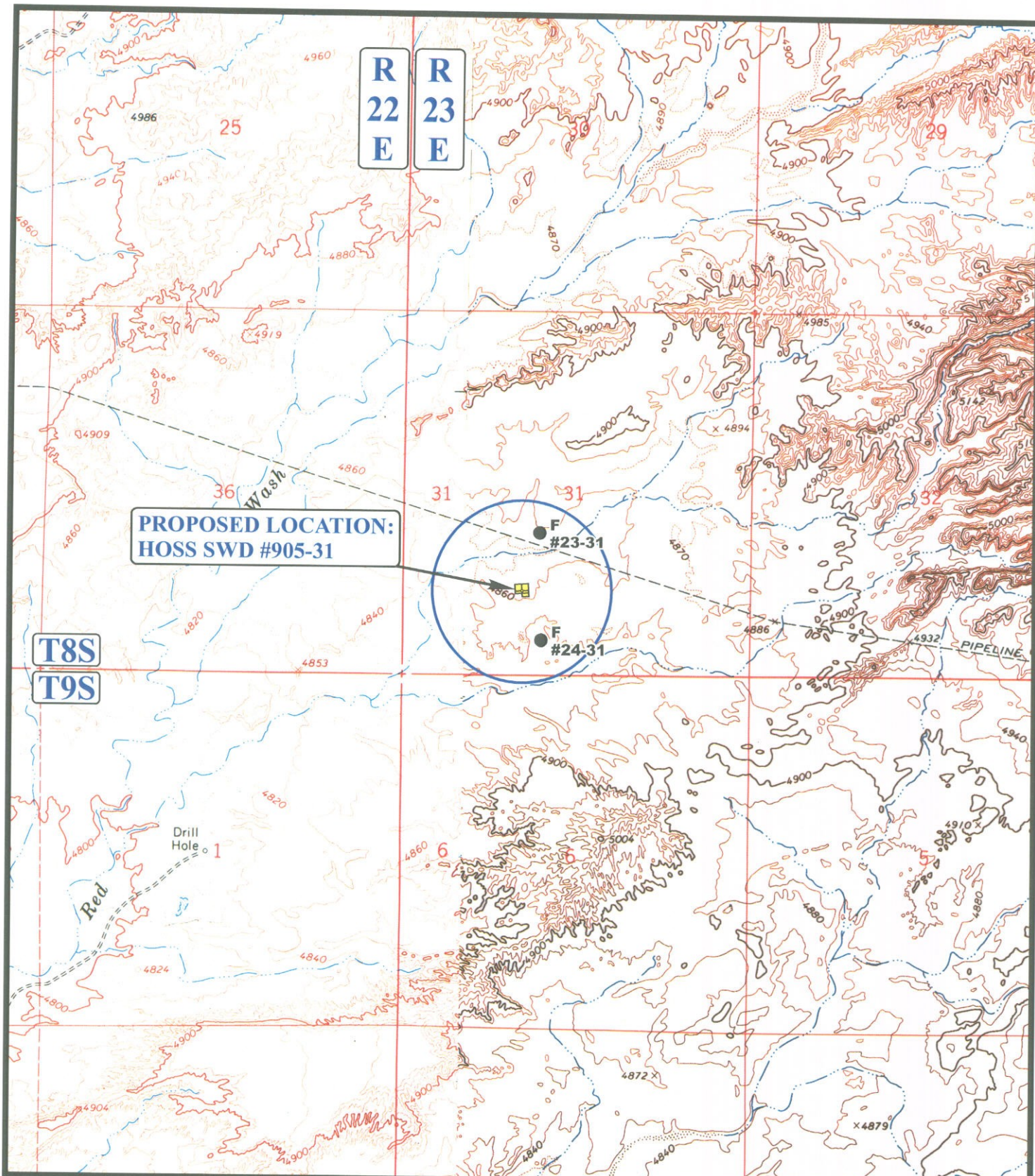
TOPOGRAPHIC  
MAP

04 25 07  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 05-12-07

C  
TOPO





**LEGEND:**

- |                 |                       |
|-----------------|-----------------------|
| DISPOSAL WELLS  | WATER WELLS           |
| PRODUCING WELLS | ABANDONED WELLS       |
| SHUT IN WELLS   | TEMPORARILY ABANDONED |

**EOG RESOURCES, INC.**

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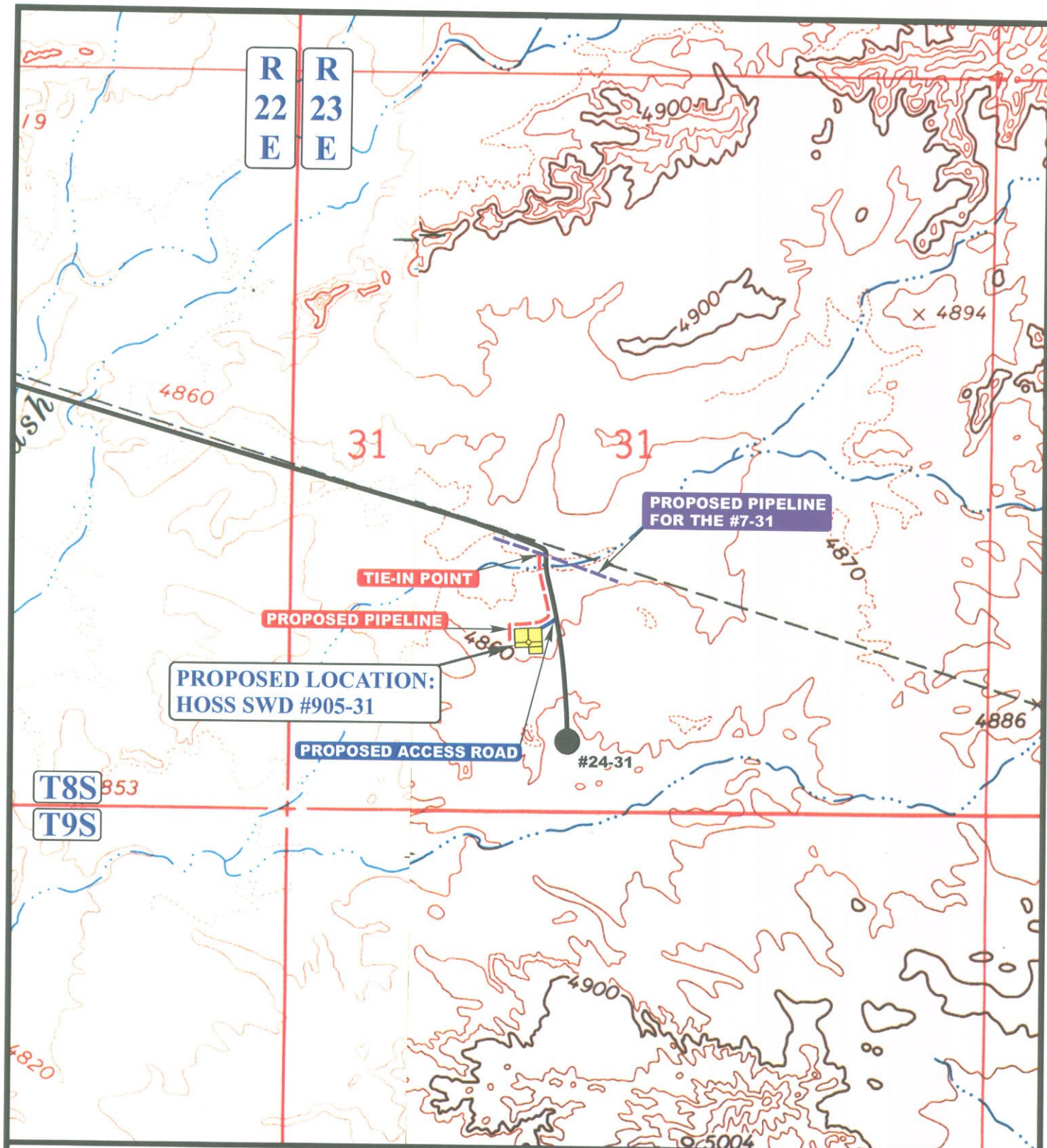
**TOPOGRAPHIC  
MAP**

**05 12 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

**C1  
TOPO**





APPROXIMATE TOTAL PIPELINE DISTANCE = 939' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

**EOG RESOURCES, INC.**

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**1206' FSL 1751' FWL**



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**TOPOGRAPHIC**  
**MAP**

**04 25 07**  
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 05-12-07

**D**  
**TOPO**



## ***CONSTRUCTION, OPERATION AND MAINTENANCE PLAN OF DEVELOPMENT***

### ***HOSS WATER DISPOSAL FACILITY WELLPADS AND PIPELINES***

EOG Resources, Inc., hereby applies under Section 28 of the Act of February 25, 1920 (41 state. 449), (30 U.S.C. Section 185) as amended by the Act of November 16, 1973, (87 Stat. 576) and requests that this APD serve as the construction, operations and maintenance plan for the right-of-way application for the pipeline on federal lands. A 30-year right-of-way term is requested.

#### ***1. PURPOSE AND NEED FOR ROW GRANT:***

This right-of-way grant will allow placement of six (6) water disposal wells and associated equipment within Section 31, T8S, R23E, and Section 36, T8S, R22E, surface owned by the Federal Government.

EOG Resources, Inc. is requesting authorization to drill and operate six (6) water disposal wells each individual well pad encompassing an area approximately 200' x 185' a permanent right-of-way of approximately 0.85 acres per well pad. A permanent pipeline right-of-way for approximately 15,000' in length and 20' in width is requested, with a temporary, 30-day, pipeline right-of-way for construction purposes is requested.

EOG Resources, Inc. respectfully requests a right-of-way term of 30-years.

#### ***2. FACILITY DESIGN FACTORS:***

Six (6) water disposal wells will be attached to Hoss Water Disposal Facility: Hoss 901-36 within Section 36, T8S, R22E Federal Lease UTU56960, Hoss 904-36 within Section 36, T8S, R22E Federal Lease UTU56960, Hoss 905-31 within Section 31, T8S, R23E Federal Lease UTU 61401, Hoss 906-31 within Section 31, T8S, R23E Federal Lease UTU 61401, and Hoss 907-31 within Section 31, T8S, R23E Federal Lease UTU 61401.

Equipment to be included on each location will consist of a wellhead, piping and attaching material and one (1) 6' x 8' building. Water will be disposed of from the Existing Hoss 64-36 location and piped, via buried pipeline, to one of the six referenced injection wells for underground disposal. Facilities located on the Hoss 64-36 will consist of a building to house all disposal equipment,

The facility will be engineered to operate as a Normally Unmanned Installation (NUI) completed with instrumentation and controls necessary to remotely monitor and operate the facility in a safe and effective manner.

Enclosed please find a set of plats, showing location photos, section plat, 1:1,000,000 topo maps 1-50" pad layout, cut and fill sheet, and site diagram.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All existing facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

**3. GOVERNMENTAL AGENCY INVOLVEMENT:**

An application is being pursued from EPA authorizing underground injection. Once the permit is authorized a copy will be submitted to the Vernal BLM Field Office.

Applications for Permit to Drill will be submitted to the Utah Department of Oil Gas and Mining for each injection well.

**4. RIGHT-OF-WAY LOCATION:**

Attached is a 7.5 minute topo with Township, Range and Sections of the road route.

The proposed well pad for Hoss 901-36 SWD is located within the NESE of Section 36-T8S-R22E. The proposed well pad for Hoss 903-36 SWD is located within the NWSE of Section 36-T8S-R33E. The proposed well pad for Hoss 904-36 SWD is located within the NESW of Section 36-T8S-R22E. The proposed well pad for Hoss 905-31 SWD is located within the SESW of Section 31-T8S-R23E. The proposed well pad for Hoss 906-31 SWD is located within the NESE of Section 31-T8S-R23E. The proposed well pad for Hoss 907-31 is located within the SWSE of Section 31-T8S-R23E.

Low water crossing and CMP's shall be installed as deemed necessary.

**5. RESOURCES VALUES AND ENVIRONMENTAL CONCERNS:**

**Resource Values:**

Archaeological: A Class III Cultural Resources Inventory of the location pad(s), access road(s) and pipeline route(s) have been completed and submitted by Montgomery Archeological.

Hoss 901-36 Report No. MOAC 07-180 Submitted 7/4/2007  
Hoss 903-36 Report No. MOAC 07-180 Submitted 7/4/2007  
Hoss 904-36 Report No. MOAC 07-180 Submitted 7/4/2007  
Hoss 905-31 Report No. MOAC 07-179 Submitted 7/3/2007  
Hoss 906-31 Report No. MOAC 07-179 Submitted 7/3/2007  
Hoss 907-31 Report No. MOAC 07-179 Submitted 7/3/2007

Paleontological Surveys of the location pads access road(s) and pipeline route(s) have been completed and submitted by Intermountain Paleontological Consultants.

Hoss 901-36 Report No. IPC 07-103 Submitted 5/08/2007  
Hoss 903-36 Report No. IPC 07-103 Submitted 5/08/2007  
Hoss 904-36 Report No. IPC 07-103 Submitted 5/08/2007  
Hoss 905-31 Report No. IPC 07-102 Submitted 5/30/2007  
Hoss 906-31 Report No. IPC 07-102 Submitted 5/30/2007  
Hoss 907-31 Report No. IPC 07-102 Submitted 5/30/2007

***Environment Concerns:***

**Visual Resources:** This project will be visual mostly when drilling and completion is taking place.

**Water Quality:** The proposed project does not cross any perennial streams and should not affect surface or ground water quality.

**6. CONSTRUCTION OF THE FACILITY:**

**Schedule:** Construction will begin once the ROW, and underground injection permit from EPA is approved.

**Pre-Construction:** Prior to construction the pad will be staked and flagged by professional surveyors.

EOG Resources, Inc. is authorized to operate in the State of Utah with proper documentation filed in the appropriate federal, state and regional offices. EOG has demonstrated its financial and technical capabilities to construct, operate, and maintain previous water disposal facilities.

EOG Resources, Inc. shall comply with all federal, state and local laws applicable to this project as they relate to public health, safety and environmental protection, construction, operation and maintenance.

All safety measures have been considered. EOG Resources, Inc. shall have a representative available during all phases of construction. This individual will oversee construction activities to ensure that all work is performed in accordance with the BLM approved plan of operations.

EOG Resources, Inc. will provide a 48-hour pre-construction notification to BLM.

**Construction:** EOG Resources, Inc. will confine all travel to existing access road rights-of-way.

Construction activities will not occur when deep frost is present in the ground; nor will frozed dirt be utilized for construction purposes. Additionally, no construction activity will be

conducted with saturated soil material or when significant watershed damage (rutting, extensive sheet soil erosion, formation of rill/gullies, etc.) is likely to occur.

The top (6) inches of topsoil, as a minimum, will be salvaged and set aside for reclamation. The soil will not be intermixed with any spoil the will come out of the trenched material.

The construction work will include the use of equipment for delivery and staging of well drilling and completion equipment, as well as surface piping and equipment, blading and trenching, fusion welding

New or reconstructed roads will be centerlined – flagged at time of location staking.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 40-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 40-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon or Covert Green.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.



## **7. SOURCE OF CONSTRUCTION MATERIALS:**

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

## **8. PIPELINE DESIGN FACTORS:**

- 1. Proposed pipeline(s) will transport produced water.
- 2. Proposed pipeline will be a 4" OD steel, welded buried pipeline.

The proposed pipeline length for Hoss 901-36 is approximately 747' in length by 20' in width. The proposed pipeline leaves the eastern edge of the proposed well pad proceeding westerly then northerly for an approximate distance of 747', tying into existing Hoss 64-36 location and Hoss SWD facility.

The proposed pipeline length for Hoss 903-36 is approximately 697' in length by 20' in width. The proposed pipeline leaves the northern edge of the proposed well pad proceeding northerly for an approximate distance of 697', tying into the proposed pipeline for Hoss 904-36.

The proposed pipeline length for Hoss 904-36 is approximately 4903' in length by 20' in width. The proposed pipeline leaves the northern edge of the proposed well pad proceeding northerly then easterly for an approximate distance of 4903', tying into the existing pipeline for Hoss 64-36.

The proposed pipeline length for Hoss 905-31 is approximately 939' in length by 20'

in width. The proposed pipeline leaves the western edge of the proposed well pad proceeding northerly for an approximate distance of 939', tying into the proposed pipeline for Hoss 907-31.

The proposed pipeline length for Hoss 906-31 is approximately 214' in length by 20' in width. The proposed pipeline leaves the western edge of the proposed well pad proceeding southerly for an approximate distance of 214', tying into the proposed pipeline for Hoss 906-31.

The proposed pipeline length for Hoss 907-31 is approximately 7500' in length by 20' in width. The proposed pipeline leaves the southern edge of the proposed well pad proceeding westerly for an approximate distance of 7500', tying into the existing pipeline for Hoss 64-36.

A permanent right-of-way width of 20' with a 30 day temporary right-of-way width of 40' is requested.

#### **9. RECLAMATION FACTORS:**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

All reclamation shall be in accordance with guidelines set forth in the Fourth Edition of BLM/USFSS Surface Operating Standards for Oil and Gas Exploration and Development.

Any areas that are not needed for operations of the injection wells right-of-way will be contoured to the native terrain, and topsoil will be distributed at a minimum of six inches thick with the BLM prescribed seed mixture.

The reclaimed area will be compacted to an acceptable level to ensure appropriate settling of soils as well as providing for a suitable seedbed.

Seeding will occur during spring or late fall seasons when ground frost is not present, but soil temperatures are within the acceptable limitations for germination.

Water bars will be constructed in any sloped areas where there is potential erosion.

Rip Rap and silt traps will be installed at/in drainages where seen fit and/or upon the request of BLM.

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

<b>Seed Mixture</b>	<b>Drilled Rate (lbs./acre PLS*)</b>
Fourwing Saltbush	2.0
Indian Ricegrass	2.0
Needle and Threadgrass	2.0
HyCrest Wheatgrass	1.0
Scarlet Globe Mallow	1.0

\*Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

### ***Pipeline Abandonment***

At such time as the pipeline is abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

## **10. WELL SITE LAYOUT:**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to the attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

## **11. SURFACE OWNERSHIP:**

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

### **Bureau of Land Management**

## **12. OTHER INFORMATION:**

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:



- Whether the materials appear eligible for the National Register of Historic Places;
- The mitigation measures the operator will likely have to undertake before the site can be used.
- A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey has been conducted and submitted by Montgomery Archaeological Consultants and paleontology survey will be conducted and submitted by Montgomery Archaeological Consultants.

***LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:***

**PERMITTING AGENT**

Kaylene R. Gardner  
EOG Resources, Inc.  
P.O. Box 1815  
Vernal, Ut 84078  
(435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

**CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

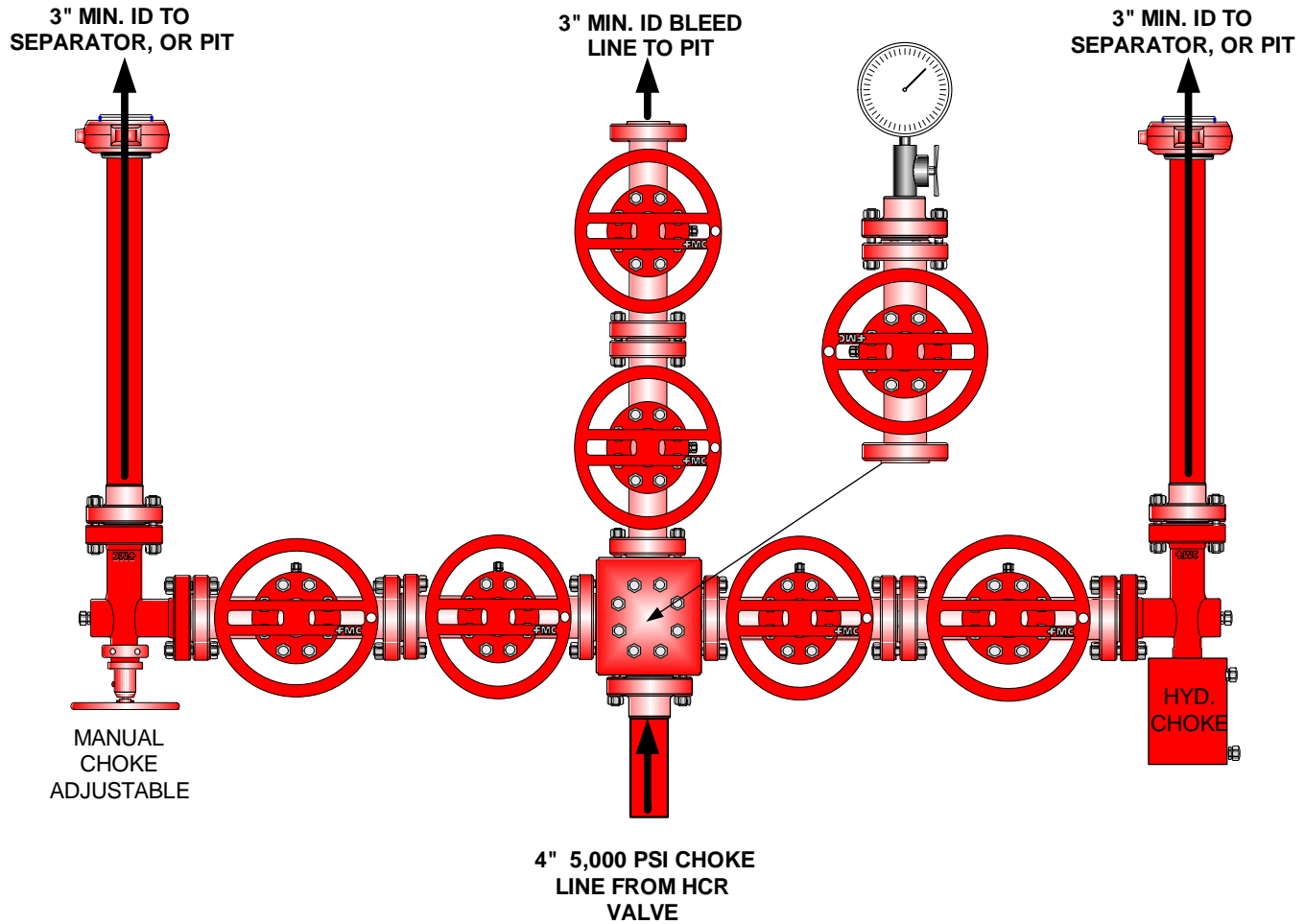
Please be advised that EOG Resources, Inc. is considered to be the operator of the Hoss 901-36SWD, Hoss 903-36SWD, Hoss 904-36SWD, Hoss 905-31SWD, Hoss 906-31SWD, Hoss 907-31SWD and Hoss 64-36 Wells, located within Section 31, T8S, R23E, and Section 36, T8S, R22E, Uintah County, Utah; Statel land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

November 12, 2007  
Date

\_\_\_\_\_  
Kaylene R. Gardner, Lead Regulatory Assistant

# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 OF 2

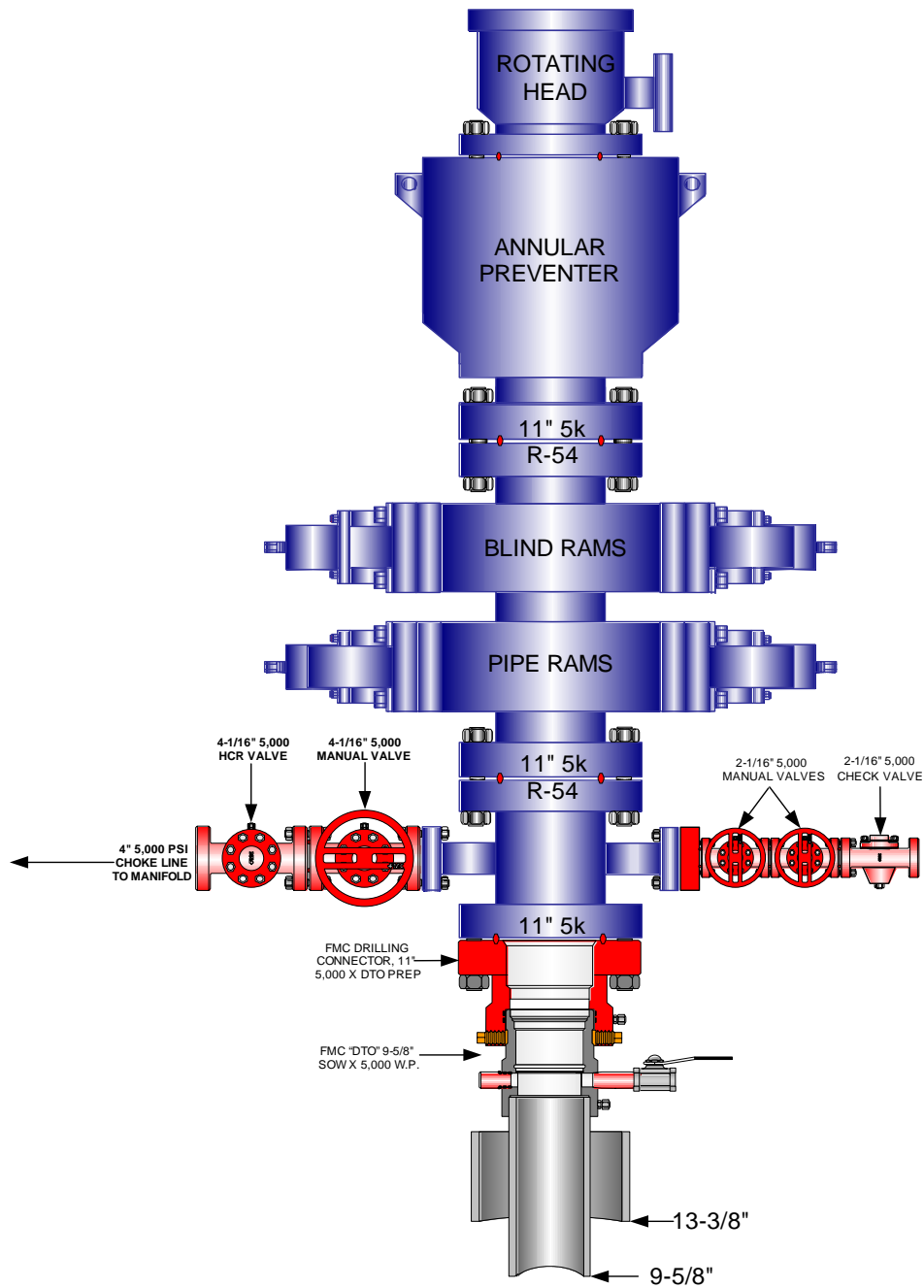


## Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.  
Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, **whichever is greater.**
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

**EOG RESOURCES 11" 5,000 PSI W.P. BOP  
CONFIGURATION**

PAGE 1 OF 2





*EOG Resources, Inc.  
1060 E Hwy 40  
Vernal, Utah 84078*

March 24, 2009

Mr. Brad Hill  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

**RE: Hoss 905-31 SWD**

Dear Brad:

EOG Resources, Inc. will not establish hydrocarbon production from the Hoss 905-31 SWD well bore. The proposed well bore will be used for the disposal of produced water as authorized by The Environmental Protection Agency. Please contact me at (435) 781-9111 if you have any additional questions.

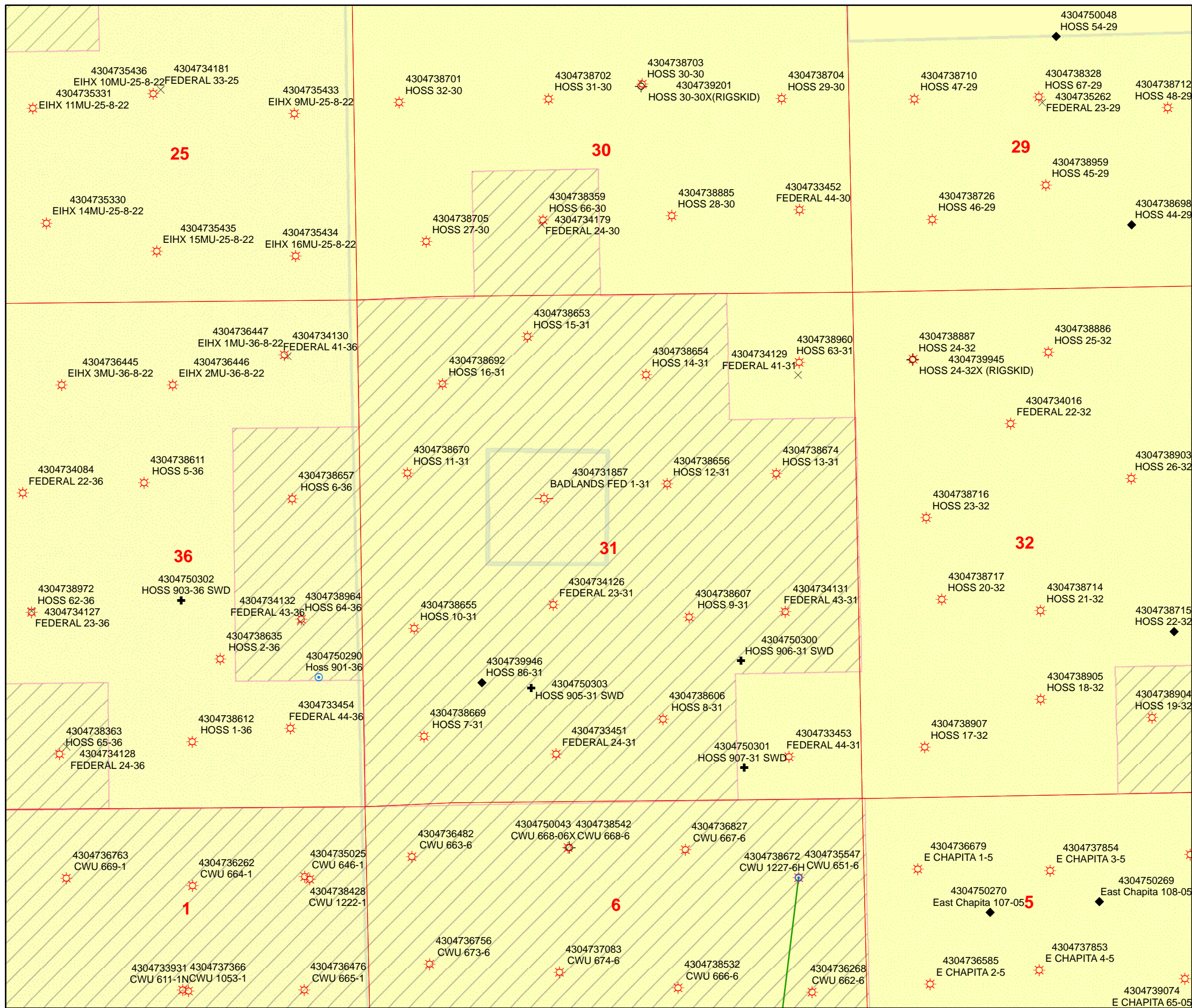
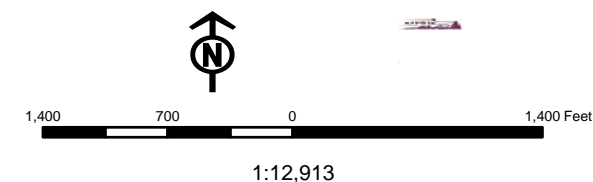
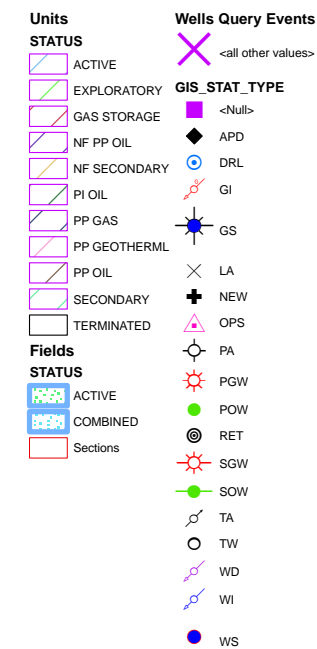
Sincerely,

Kaylene R. Gardner  
Regulatory Administrator

cc: File



Map Prepared:  
Map Produced by Diana Mason



# WORKSHEET

## APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 3/24/2009

**API NO. ASSIGNED:** 43047503030000

**WELL NAME:** HOSS 905-31 SWD

**OPERATOR:** EOG Resources, Inc. (N9550)

**PHONE NUMBER:** 435 781-9111

**CONTACT:** Kaylene Gardner

**PROPOSED LOCATION:** SESW 31 080S 230E

**Permit Tech Review:** ☒

**SURFACE:** 1206 FSL 1751 FWL

**Engineering Review:** ☐

**BOTTOM:** 1206 FSL 1751 FWL

**Geology Review:** ☒

**COUNTY:** UINTAH

**LATITUDE:** 40.07532

**LONGITUDE:** -109.37198

**UTM SURF EASTINGS:** 638821.00

**NORTHINGS:** 4437176.00

**FIELD NAME:** NATURAL BUTTES

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU61401

**PROPOSED FORMATION:** GRRV

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

### RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** FEDERAL - NM 2308
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 49-225
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

### LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:** BADLANDS
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** R649-3-3
- Effective Date:**
- Siting:**
- ☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed  
BADLANDS U NON PA:

**Stipulations:**





JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** HOSS 905-31 SWD  
**API Well Number:** 43047503030000  
**Lease Number:** UTU61401  
**Surface Owner:** FEDERAL  
**Approval Date:** 4/2/2009

**Issued to:**

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Notification Requirements:**

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

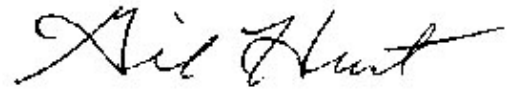
Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

**Reporting Requirements:**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**Approved By:**

A handwritten signature in black ink, appearing to read "Gil Hunt". The signature is fluid and cursive, with a long horizontal stroke extending from the end.

Gil Hunt  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU61401
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.		<b>7. UNIT or CA AGREEMENT NAME:</b> BADLANDS
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078		<b>8. WELL NAME and NUMBER:</b> HOSS 905-31 SWD
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1206 FSL 1751 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 08.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047503030000
<b>PHONE NUMBER:</b> 435 781-9111 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input checked="" type="checkbox"/> <b>SPUD REPORT</b> Date of Spud: 9/2/2009	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  The referenced well was spud on 9/2/2009.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> September 03, 2009		
<b>NAME (PLEASE PRINT)</b> Mickenzie Thacker	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/2/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU61401
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.		<b>7. UNIT or CA AGREEMENT NAME:</b> BADLANDS
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078		<b>8. WELL NAME and NUMBER:</b> HOSS 905-31 SWD
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1206 FSL 1751 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 08.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047503030000
<b>PHONE NUMBER:</b> 435 781-9111 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 10/29/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Please see the attached well chronology report for the referenced well showing all activity up to 10/29/2009.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> November 03, 2009		
<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/29/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 10-28-2009

<b>Well Name</b>	HOSS 905-31 SWD	<b>Well Type</b>	SWD	<b>Division</b>	DENVER
<b>Field</b>	PONDEROSA	<b>API #</b>	43-047-50303	<b>Well Class</b>	COMP
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	09-04-2009	<b>Class Date</b>	
<b>Tax Credit</b>	N	<b>TVD / MD</b>	2,365/ 2,365	<b>Property #</b>	061930
<b>Water Depth</b>	0	<b>Last CSG</b>	3.5	<b>Shoe TVD / MD</b>	1,986/ 1,986
<b>KB / GL Elev</b>	4,858/ 4,855				
<b>Location</b>	Section 31, T8S, R23E, SESW, 1206 FSL & 1751 FWL				

<b>Event No</b>	1.0	<b>Description</b>	DRILL & COMPLETE		
<b>Operator</b>	EOG RESOURCES, INC	<b>WI %</b>	100.0	<b>NRI %</b>	0.0

<b>AFE No</b>	304875	<b>AFE Total</b>	743,300	<b>DHC / CWC</b>	428,300/ 315,000
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<b>Rig Contr</b>	CRAIG'S ROUSTABOUT SERVICE	<b>Rig Name</b>	RIG #2	<b>Start Date</b>	09-08-2009	<b>Release Date</b>	
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<b>04-02-2009</b>	<b>Reported By</b>	SHEILA MALLOY			
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<b>Daily Costs: Drilling</b>	\$50,000	<b>Completion</b>	\$0	<b>Daily Total</b>	\$50,000
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<b>Cum Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Well Total</b>	\$0
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<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
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<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>
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**Activity at Report Time:** LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA
			1206' FSL & 1751' FWL (SE/SW)
			SECTION 31, T8S, R23E
			UINTAH COUNTY, UTAH
			 LAT 40.075308, LONG 109.372664 (NAD 83)
			LAT 40.075344, LONG 109.371983 (NAD 27)
			 CRAIG'S AIR RIG
			OBJECTIVE: 2700' MD
			DW/GAS
			PONDEROSA PROSPECT
			DD&A: CHAPITA DEEP
			FIELD: NATURAL BUTTES
			 LEASE: UTU- 61401
			ELEVATION: 4855.6' NAT GL, 4854.9' PREP GL (DUE TO ROUNDING PREP GL WILL BE 4855'), ' KB (')
			 EOG WI 100%, NRI %

**RECEIVED** October 29, 2009

08-27-2009      Reported By      TERRY CSERE

DailyCosts: Drilling      \$50,000      Completion      \$0      Daily Total      \$50,000

Cum Costs: Drilling      \$50,000      Completion      \$0      Well Total      \$50,000

MD      0      TVD      0      Progress      0      Days      0      MW      0.0      Visc      0.0

Formation :      PBTD : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	START LOCATION BUILD.

08-28-2009      Reported By      TERRY CSERE

DailyCosts: Drilling      \$50,000      Completion      \$0      Daily Total      \$50,000

Cum Costs: Drilling      \$50,000      Completion      \$0      Well Total      \$50,000

MD      0      TVD      0      Progress      0      Days      0      MW      0.0      Visc      0.0

Formation :      PBTD : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION 50% COMPLETE.

08-31-2009      Reported By      TERRY CSERE

DailyCosts: Drilling      \$0      Completion      \$0      Daily Total      \$0

Cum Costs: Drilling      \$50,000      Completion      \$0      Well Total      \$50,000

MD      0      TVD      0      Progress      0      Days      0      MW      0.0      Visc      0.0

Formation :      PBTD : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LINE TOMORROW.

09-01-2009      Reported By      TERRY CSERE

DailyCosts: Drilling      \$0      Completion      \$0      Daily Total      \$0

Cum Costs: Drilling      \$50,000      Completion      \$0      Well Total      \$50,000

MD      0      TVD      0      Progress      0      Days      0      MW      0.0      Visc      0.0

Formation :      PBTD : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: LOCATION BUILD

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LINE TODAY.

09-02-2009      Reported By      TERRY CSERE

DailyCosts: Drilling      \$0      Completion      \$0      Daily Total      \$0

Cum Costs: Drilling      \$50,000      Completion      \$0      Well Total      \$50,000

MD      110      TVD      110      Progress      0      Days      0      MW      0.0      Visc      0.0

Formation :      PBTD : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: LOCATION BUILD

Start	End	Hrs	Activity Description
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06:00 06:00 24.0 LOCATION COMPLETE. CRAIGS ROUSTABOUT SERVICE SPUD A 20" HOLE ON 9/2/09 @ 8:00 AM. SET +/-60' OF 14" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. CAROL DANIELS W/UDOGM WAS NOTIFIED BY PHONE MESSAGE AND BLM WAS NOTIFIED BY EMAIL OF SPUD ON 9/1/09 @ 11:00 AM.

**09-07-2009**      **Reported By**      KYLAN COOK

<b>DailyCosts: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$50,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$50,000

<b>MD</b>	2,096	<b>TVD</b>	2,096	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
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<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>
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**Activity at Report Time:** WO SCHLUMBERGER LOGGERS

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
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06:00	06:00	24.0	MOVE IN AND RIG UP CRAIG'S RIG #2, 9/4/2009
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9/4/2009 TO 9/7/2009

DRILL WELL TO 2094' WITH AIR NO WATER ENCOUNTERED.  
ENCOUNTER WATER @ 2094' TO 2096', CATCH WATER SAMPLES.  
TOTAL DEPTH DETERMINED FOR 9 5/8" CASING RUNNING.  
CIRCULATE WELL CLEAN, WAIT ON SCHLUMBERGER TO LOG WELL

SPUD 12-1/4" HOLE 9/4/09

**09-08-2009**      **Reported By**      KYLAN COOK

<b>DailyCosts: Drilling</b>	\$9,672	<b>Completion</b>	\$0	<b>Daily Total</b>	\$9,672
<b>Cum Costs: Drilling</b>	\$59,672	<b>Completion</b>	\$0	<b>Well Total</b>	\$59,672

<b>MD</b>	2,096	<b>TVD</b>	2,096	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
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<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>
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**Activity at Report Time:** RIH W/ 12.25" BIT

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
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06:00	06:00	24.0	RIG UP AND RUN PLATFORM EXPRESS + HRLA WITH SCHLUMBERGER, ( LOG DEPTH 2096'), HOLE STANDING WITH WATER @ 200'.
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CASING SETTING DEPTH AUTHORIZED BY GEORGE ROSS OF 2065' MINIMUM.  
DUMP 56 SX'S OF CALCIUM CARBONATE (OYSTER SHELL) DOWN OPEN HOLE.  
FILLED HOLE AND HOLE STAYED FULL.  
RUN INTO HOLE OPENED ENDED TO SPOT CEMENT PLUG, PLUGGED DRILL PIPE, TRIP OUT AND CLEAN OUT DRILL PIPE TIH WITH CIRCULATING SUB.  
CIRCULATE HOLE CLEAN FROM 2065' TO 2085'.  
SPOT 70' ESTIMATED CEMENT PLUG.  
HALLIBURTON PUMPED 50 SACKS OF HALCEM @ 15.6 PPG W/ YIELD OF 1.18 CFS  
DISPLACED WITH 28.5 BBLS WATER.  
POH AND CIRCULATED @ 1900' TO CLEAR DRILL PIPE AND BACK VOLUME BACK TO SURFACE.  
CONTINUE TO POH TO SURFACE.  
RIH PICKING UP BHA TO DRESS OFF CEMENT PLUG.

**09-09-2009**      **Reported By**      KYLAN COOK

<b>DailyCosts: Drilling</b>	\$16,646	<b>Completion</b>	\$0	<b>Daily Total</b>	\$16,646
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<b>Cum Costs: Drilling</b>	\$76,318	<b>Completion</b>	\$0	<b>Well Total</b>	\$76,318
<b>MD</b>	2,096	<b>TVD</b>	2,096	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>		

**Activity at Report Time:** PREPARE TO PUMP TOP JOB #1

Start	End	Hrs	Activity Description
06:00	12:00	6.0	TRIP IN HOLE AND DRESS CEMENT FROM 2025' TO 2073'. CEMENT FIRM AND DRILLING WITH 20,000 WOB
12:00	14:00	2.0	CIRCULATE HOLE CLEAN
14:00	16:00	2.0	TRIP OUT FOR CASING RUNNING
16:00	20:00	4.0	RUN 9.625" CASING TO 2070', NO HOLE PROBLEMS ENCOUNTERED. RAN 49 JTS (2070") OF 9-5/8", 36.0#, J-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 25 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2070' GL.
20:00	01:00	5.0	RIG UP AND CEMENT WITH HALLIBURTON. GOOD RETURNS DURING COMPLETE CEMENT PUMPING. HAD CEMENT TO SURFACE. CEMENT FELL BACK FROM SURFACE AFTER PLUG BUMPED AND HELD. HOLD PRE JOB SAFETY MEETING W/ HAALIBURTON AND RIG CREWS. PRESSURE TEST LINES TO 3900 PSI. PUMP 10 BBL'S FRESH WATER - PUMP 25 BBL'S OF SUPER FLUSH - PUMP 5 BBL'S OF FRESH WATER - MIX AND PUMP 31 BBL'S 40 SACKS OF 10.5# VARICEM YIELD 4.39 CFS - PUMP 5 BBL'S FRESH WATER - PUMP 25 BBL'S SUPER FLUSH - PUMP 5 BBL'S FRESH WATER - MIX AND PUMP 31 BBL'S 40 SACKS OF 10.5# VARICEM YIELD 4.39 CFS - MIX AND PUMP 224 BBL'S 520 SACKS OF 12.3# VARICEM YIELD 2.46 CFS - MIX AND PUMP 43 BBL'S 200 SACKS OF 15.6# HALCEM YIELD 1.21 CFS - DROPPED PLUG AND STARTED DISPLACEMENT OF 154 BBL'S FRESH WATER. CEMENT TO SURFACE WITH 8 BBL'S DISPLACEMENT AWAY - FINAL CIRCULATING PRESSURE 640 PSI - BUMPED PLUG TO 950 PSI.

**09-10-2009**      **Reported By**      KYLAN COOK

<b>DailyCosts: Drilling</b>	\$197,158	<b>Completion</b>	\$0	<b>Daily Total</b>	\$197,158
<b>Cum Costs: Drilling</b>	\$273,476	<b>Completion</b>	\$0	<b>Well Total</b>	\$273,476
<b>MD</b>	2,096	<b>TVD</b>	2,096	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>		

**Activity at Report Time:** PREP FOR CBL.

Start	End	Hrs	Activity Description
06:00	09:30	3.5	MIX AND PUMP 25 SX 15.8 PPG CEMENT, HOLE STANDING WITH CEMENT @ SURFACE.
09:30	10:30	1.0	RIG DOWN AND MOVE OUT HALLIBURTON, WAIT FOR CRAIGS RIG #2 TO DRILL OUT SHOE TRACK AND CUTTERS TO RUN CBL. ESTIMATED SUNDAY 9/13/2009

**09-14-2009**      **Reported By**      KYLAN COOK

<b>DailyCosts: Drilling</b>	\$19,613	<b>Completion</b>	\$0	<b>Daily Total</b>	\$19,613
<b>Cum Costs: Drilling</b>	\$293,089	<b>Completion</b>	\$0	<b>Well Total</b>	\$293,089
<b>MD</b>	2,200	<b>TVD</b>	2,200	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>	<b>Perf :</b>	<b>PKR Depth : 0.0</b>		

**Activity at Report Time:** DRILLING @ 2200'

Start	End	Hrs	Activity Description
08:30	13:00	4.5	MOVE IN CRAIG'S RIG #2.
13:00	15:00	2.0	P/U BHA AND RIH TO TOP OF SHOE TRACK.
15:00	17:00	2.0	DRILL CEMENT/FLOAT EQUIP TO 2068' (3' SHORT OF GUIDE SHOE).
17:00	19:00	2.0	TRIP OUT TO RUN CBL.



19:00	21:00	2.0 RUN CBL WITH CUTTER WIRE LINE, WIRE LINE DEPTH 2067'.
21:00	00:00	3.0 TRIP IN HOLE.
00:00	06:00	6.0 DRILL 8.75" HOLE, FROM 2068' TO 2200'. AIR DRILL TO 2096', MAKING LARGE VOLUMES OF WATER WHEN AIR DRILLING, WATER SAMPLES COLLECTED. DRILL WITH WATER FROM 2096' TO CONTROL WATER FLOW, LOSSES WHILE ON WATER.

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**09-15-2009**      **Reported By**      KYLAN COOK

<b>Daily Costs: Drilling</b>	\$35,822	<b>Completion</b>	\$0	<b>Daily Total</b>	\$35,822
<b>Cum Costs: Drilling</b>	\$328,911	<b>Completion</b>	\$0	<b>Well Total</b>	\$328,911

<b>MD</b>	2,365	<b>TVD</b>	2,365	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>		<b>PBTD : 0.0</b>		<b>Perf :</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time:** WELL @ TD / W.O. LOGGING

Start	End	Hrs	Activity Description
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06:00	12:00	6.0	DRILL 8.75" HOLE F/ 2200' TO 2365' REACHED TD @ 12:00 HRS, 9/14/09.
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12:00	13:00	1.0	CIRCULATED BOTTOMS UP.
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13:00	15:00	2.0	TRIP OUT OF HOLE, RELEASE RIG TO HOSS 906-31 SWD HOLE STOOD FULL AFTER TRIP OUT. SCHLUMBERGER TO RUN PEX LOG ON 9/15/2009.
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**09-17-2009**      **Reported By**      DAVID BRINKERHOFF

<b>Daily Costs: Drilling</b>	\$8,111	<b>Completion</b>	\$0	<b>Daily Total</b>	\$8,111
<b>Cum Costs: Drilling</b>	\$337,022	<b>Completion</b>	\$0	<b>Well Total</b>	\$337,022

<b>MD</b>	2,365	<b>TVD</b>	2,365	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>		<b>PBTD : 0.0</b>		<b>Perf :</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time:** LOGGING @ TD / WAIT ON COMPLETION

Start	End	Hrs	Activity Description
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08:00	12:00	4.0	LOGGING RUN PLATFORM EXPRESS ECS LOG. WELL COMPLETED FOR DRILLING. LOG COMPLETED RIGLESS WITH SCHLUMBERGER CRANE TRUCK.
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**09-19-2009**      **Reported By**      BAUSCH

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$5,145	<b>Daily Total</b>	\$5,145
<b>Cum Costs: Drilling</b>	\$337,022	<b>Completion</b>	\$5,145	<b>Well Total</b>	\$342,167

<b>MD</b>	2,365	<b>TVD</b>	2,365	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : BIRDS NEST</b>		<b>PBTD : 0.0</b>		<b>Perf :</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time:** MIRUSU. PREP WELL FOR PKR.

Start	End	Hrs	Activity Description
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10:00	15:00	5.0	MIRUSU. PUT ON WELL HEAD. NU 11" BOP. MU 9 5/8" SCRAPER. TALLY AND PU 61 JTS 3 1/2" TBG. RIH TO 2050'. POH W/TBG. LD TOOLS. SIFWE.
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**09-22-2009**      **Reported By**      BAUSCH

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$48,573	<b>Daily Total</b>	\$48,573
<b>Cum Costs: Drilling</b>	\$337,022	<b>Completion</b>	\$53,718	<b>Well Total</b>	\$390,740

<b>MD</b>	2,365	<b>TVD</b>	2,365	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : BIRDS NEST</b>		<b>PBTD : 0.0</b>		<b>Perf :</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time:** RIH W PROD PKR. PREP INJECTION WELL.

Start	End	Hrs	Activity Description
07:00	15:00	8.0	HOLD SAFETY MTG. PU 9 5/8" ARROWSET PROD PKR. RIH. STRIP OFF BOP. LAND TBG @ 1986.56'. PUMPED 130 BLS PKR FLUID DN CSG. SET PKR W 15000 # TENSION. TEST PKR TO 600 PSIG. HELD FOR 15 MIN. RU TO SWAB TEST. INTL FL @ 30'. MADE 15 SWAB RUNS. REC 165 BLS WTR. ENDING FL SURFACE. SIFN

## TUBING DETAIL LENGTH

3 1/2" X 9 5/8" ARROWSET PKR 8.10'

3 1/2" EUE X " XO 0.45'

1 JT 3 1/2" 9.5# J-55 TBG 32.48'

3 1/2" XN NIPPLE 1.10'

60 JTS 3 1/2" X 9.5# J-55 TBG 1944.43'

BELOW KB 0'

LANDED @ 1986.56' KB

---

**09-23-2009**      **Reported By**      BAUSCH

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$3,875	<b>Daily Total</b>	\$3,875
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<b>Cum Costs: Drilling</b>	\$337,022	<b>Completion</b>	\$57,593	<b>Well Total</b>	\$394,615
----------------------------	-----------	-------------------	----------	-------------------	-----------

<b>MD</b>	2,365	<b>TVD</b>	2,365	<b>Progress</b>	0	<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
-----------	-------	------------	-------	-----------------	---	-------------	---	-----------	-----	-------------	-----

<b>Formation :</b> BIRDS NEST	<b>PBTD :</b> 0.0	<b>Perf :</b>	<b>PKR Depth :</b> 0.0
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Activity at Report Time: SI. PREP WELL FOR DISPOSAL OPS.

Start	End	Hrs	Activity Description
07:00	15:00	8.0	SITP 0 PSIG. CP 200 PSIG. RU TO SWAB. IFL @ SURFACE. MADE 18 SWAB RUNS. RECOVERED 130 BLW. CAUGHT 3 SAMPLES. RDMOSU. SI.

---

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU61401
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.		<b>7. UNIT or CA AGREEMENT NAME:</b> BADLANDS
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078		<b>8. WELL NAME and NUMBER:</b> HOSS 905-31 SWD
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1206 FSL 1751 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 08.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047503030000
<b>PHONE NUMBER:</b> 435 781-9111 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 12/1/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER</b>	
	OTHER:	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> No activity has occurred since last submission on 10/29/2009 to 12/1/2009.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> December 01, 2009		
<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/1/2009	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

NOV 23 2009

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Ed Forsman  
Production Engineering Specialist  
EOG Resources, Inc.  
1060 E. Hwy 40  
Vernal, UT 84078

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

RE: Authority to Commence Injection  
EPA UIC Permit UT21160-07868  
Well: Hoss 905-31  
Uintah County, Utah  
API #: 43-047-50303

Dear Mr. Forsman:

EOG Resources, Inc. (EOG) has satisfactorily completed the Environmental Protection Agency's (EPA) "Prior to Commencing Injection" requirements for Final Permit UT21160-07868, effective November 9, 2009. The Part I (Internal) Mechanical Integrity Test (MIT), schematic diagram, Cement Bond Log (CBL), water samples, Step-Rate Test and pore pressure were reviewed and approved by EPA on November 9, 2009.

As of the date of this letter, EOG Resources is authorized to commence injection into Hoss 905-31 at a maximum authorized injection pressure (MAIP) of 435 psig. Until such time as the Permittee demonstrates through a Step Rate Test (SRT) that the Fracture Gradient (FG) is other than 0.645 psi/ft, Hoss 905-31 shall be operated at a MAIP no greater than 435 psig. Also note that since the CBL shows an 80% cement bond index within the confining zone that a Radioactive Tracer Survey is not required.

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring and compliance correspondence, referencing your well name and UIC Permit number on all correspondence regarding this well to:

**RECEIVED**

**DEC 03 2009**

DIV. OF OIL, GAS & MINING

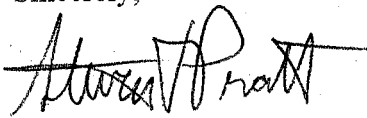
Mr. Nathan Wiser  
Technical Enforcement Program – UIC  
U.S. EPA Region 8: Mail Code 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202-1129

Or, you may reach Mr. Wiser at 303-312-6211, or 1-800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT21160-07868.

If you have questions regarding the above action, please call Bruce Suchomel at 303-312-6001 or 1-800-227-8917, ext. 312-6001.

Sincerely,



for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Letter only:

Uintah & Ouray Business Committee  
The Honorable Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimbraus, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

With enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Robin Hansen  
Fluid Minerals Engineering Office  
BLM - Vernal Office

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU61401
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EOG Resources, Inc.		<b>7. UNIT or CA AGREEMENT NAME:</b> BADLANDS
<b>3. ADDRESS OF OPERATOR:</b> 1060 East Highway 40 , Vernal, UT, 84078		<b>8. WELL NAME and NUMBER:</b> HOSS 905-31 SWD
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1206 FSL 1751 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 31 Township: 08.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047503030000
<b>PHONE NUMBER:</b> 435 781-9111 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 12/31/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
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	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> No activity has occurred since last submission on 12/1/2009 to 12/31/2009.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> January 04, 2010		
<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/31/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 2/2/2010	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
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	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> No activity has occurred since last submission on 12/31/2009 to 2/2/2010.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> February 03, 2010		
<b>NAME (PLEASE PRINT)</b> Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	<b>TITLE</b> Operations Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/2/2010	



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-61401

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME  
Badlands

8. WELL NAME and NUMBER:  
Hoss 905-31 SWD

9. API NUMBER:  
43-047-50303

10. FIELD AND POOL, OR WILDCAT  
Natural Buttes

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:  
SESW 31 8S 23E S

12. COUNTY  
Uintah

13. STATE  
UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER SWD

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR:  
EOG Resources, Inc.

3. ADDRESS OF OPERATOR:  
600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 824-5526

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1206' FSL & 1751' FWL 40.075308 LAT 109.372664 LON

AT TOP PRODUCING INTERVAL REPORTED BELOW: Same

AT TOTAL DEPTH: Same

14. DATE SPUDDED: 9/2/2009

15. DATE T.D. REACHED: 9/14/2009

16. DATE COMPLETED: N/A SWD well 9/14/09 ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):  
4856' NAT GL

18. TOTAL DEPTH: MD 2,365  
TVD

19. PLUG BACK T.D.: MD  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

PEX - HRLA - ECS

23.

WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)

WAS DST RUN? NO ☒ YES ☐ (Submit report)

DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36.0	0	2,070		800 sx		0	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3.5	1,987							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)					2070 - 2365			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY

☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

30. WELL STATUS:

Active Water  
Disposal

RECEIVED

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

No gas

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River Birdsnest Mahogany	1,851 2,094 2,715

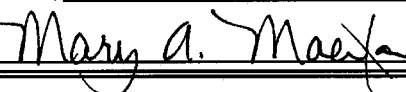
## 35. ADDITIONAL REMARKS (Include plugging procedure)

This well is an active salt water disposal well.

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Mary A. MaestasTITLE Regulatory Assistant

SIGNATURE

DATE 2/5/2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



43.047.50303  
31 8523e

EOG Resources, Inc.  
1060 E Hwy 40  
Vernal, Utah 84078

Certified Mail  
7010 1670 0001 2225 8651

February 14, 2011

United States Environmental Protection Agency  
Region 8  
Attn: Nathan Wiser  
Mail Stop: 8ENF-UFO  
1595 Wynkoop Street  
Denver, CO 80202

**RECEIVED**  
**FEB 17 2011**

**DIV. OF OIL, GAS & MINING**

RE: Chapita Wells Unit 550-30N EPA Permit No. UT20980-06509	Natural Buttes Unit 21-20B EPA Permit No. UT20623-03708
Chapita Wells Unit SWD 2-29 EPA Permit No. UT 21049-07108	Hoss SWD 901-36 EPA Permit No. UT21157-07865
Hoss SWD 903-36 EPA Permit No. UT21158-07866	Hoss SWD 904-36 EPA Permit No. UT21159-07867
Hoss SWD 905-31 EPA Permit No. UT21160-07868	Hoss SWD 906-31 EPA Permit No. UT21161-07869
Hoss SWD 907-31 EPA Permit No. UT21162-07870	

Dear Mr. Wiser:

Please find enclosed the Annual Disposal/Injection Well Monitoring Report (EPA Form 7520-11) for the above referenced wells. As requested, I have enclosed a copy of the water analysis for the water that we inject into each well. The water that is injected into the Chapita Wells Unit 550-30N and Chapita Wells Unit SWD 2-29 wells is pumped from the same facility located at the Chapita Wells 550-30N well site. All of the produced water that is injected into the six Hoss disposal wells is pumped from a single disposal facility (Hoss SWD Facility). We received the authorization to inject into the Hoss SWD 906-31 well on January 14, 2010. It was the last approval that we needed to operate the facility. We commenced injection from the Hoss SWD facility to all 6 Hoss SWD wells on that date. I have included a copy of the water analysis for that facility as well. The produced water that is injected into the NBU 21-20B comes from its own facility. I have also included a copy of the water analysis for that facility.



EOG Resources, Inc.  
1060 E Hwy 40  
Vernal, Utah 84078

We ran the required Temperature Logs on the Chapita Wells Unit 1125-29 (AOR well for the Chapita Wells Unit SWD 2-29 well), Chapita Wells Unit 47-30 (AOR well for the Chapita Wells Unit 550-30N SWD), and the Chapita 550-30N SWD and submitted logs in December. They are required on an annual basis. We are also required to run Temperature logs for the AOR wells associated with the six Hoss Disposal Wells and pressure surveys on the six disposal wells. I have included copies of the Temperature logs for the AOR wells listed below and the results of the pressure surveys for the disposal wells (see table).

Well	Hoss 901	Hoss 903	Hoss 904	Hoss 905	Hoss 906	Hoss 907
Fluid level	Surface	Surface	Surface	Surface	12 ft.	Surface
Pore Pressure (psig)	934 psig	1029 psig	1119 psig	936 psig	927 psig	912 psig
AOR Well	Hoss 1-36	Hoss 2-36	Hoss 62-36	Federal 23-31	Hoss 8-31	Hoss 8-31
AOR Well	Hoss 10-31	Hoss 5-36		N. Chapita Federal 24-31	Hoss 9-31	
AOR Well	N.Chapita Federal 44-36				N.Chapita Federal 43-31	

I ran pore pressure test on two wells per day for three days. I have digital Excel spreadsheet files of the pore pressure tests from Production Logging Services that I can forward to if you would like (350 pages each in hard copy). We have not started construction on the Coyote SWD 1-16 well (EPA Permit No. UT22165-08747) but we plan to do so soon. If you need any other information from me, I can be reached at (435) 781-9100 (office) or (435) 828-8236 (cell).

Sincerely,

Ed Forsman  
Production Engineering Advisor  
EOG Resources – Vernal Operations

#### Attachments

cc: State of Utah-Division of Oil, Gas & Mining  
BLM - Vernal Field Office  
Jim Schaefer – Denver Office  
Dave Long – Big Piney Office



United States Environmental Protection Agency  
Washington, DC 20460

## ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

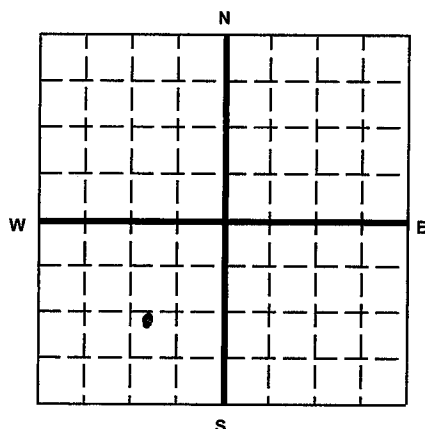
### Name and Address of Existing Permittee

EOG Resources, Inc.  
1060 East Highway 40 Vernal, UT 84078

### Name and Address of Surface Owner

Bureau of Land Management  
170 South 500 East Vernal UT 84078

Locate Well and Outline Unit on  
Section Plat - 640 Acres



State

Utah

County

Uintah County

Permit Number

UT21160-07868

Surface Location Description

S 1/4 of E 1/4 of S 1/4 of W 1/4 of Section 31 Township 08S Range 23E

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location 120 ft. from (N/S) SL Line of quarter section  
and 809 ft. from (E/W) EL Line of quarter section.

WELL ACTIVITY

- ☒ Brine Disposal  
☐ Enhanced Recovery  
☐ Hydrocarbon Storage

TYPE OF PERMIT

- ☒ Individual  
☐ Area

Number of Wells 1

Lease Name HOSS

Well Number HOSS SWD 905-31

### INJECTION PRESSURE

### TOTAL VOLUME INJECTED

### TUBING - CASING ANNULUS PRESSURE (OPTIONAL MONITORING)

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
January-2010		14	20	29984	0	0	0
February-2010		28	63	61752	0	0	0
March-2010		48	91	75386	0	0	0
April-2010		62	115	81252	0	0	0
May-2010		64	77	63811	0	0	0
June-2010		62	77	58627	0	0	0
July-2010		61	72	60284	0	0	0
August-2010		70	111	67465	0	0	0
September-2010		65	104	77652	0	0	0
October-2010		72	82	78567	0	0	0
November-2010		83	102	66842	0	0	0
December-2010		91	189	67948	0	0	0

### Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)

Ed Forsman - Production Engineering Advisor

Signature

Date Signed

02/11/11

## PAPERWORK REDUCTION ACT

The public reporting and record keeping burden for this collection of information is estimated to average 25 hours annually for operators of Class I wells and 5 hours annually for operators of Class II wells. Burden means the total time, effort, or financial resource expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal Agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.



1465 East 1650 south Vernal UT 84078 (435) 789-2069 www.nalco.com

## Water Analysis Report

Field : **EOG** Sample Date : **1/11/2011**  
 County : **Formation :**  
 Location : **Hoss SWD** Rock Type :  
 Lab ID : **Depth :** **Analysed Date: 1/13/2011**  
 Comments :

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	78.8	Total Dissolve Solid	26942.07	Sulfate	40.0
Sodium	8,860.5	Total Hardness	1268.40	Chloride	17,000.0
Calcium	406.5	PH	8.20	Carbonate	0.0
Magnesium	61.5	Total H2S aq	0.00	Bicarbonate	1,159.0
Iron	2.8	Manganese	0.47	Bromide	0.0
Barium	28.4	PO4 Residual	0.00	Organic Acids	0.0
Strontium	31.2	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>9,469.7</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,199.0</b>

Initial(BH) Final(WH)

### Saturation Index values

Calcite (CaCO<sub>3</sub>)  
1.93 1.93

Barite (BaSO<sub>4</sub>)  
1.32 1.32

Halite (NaCl)  
-2.64 -2.64

Gypsum  
-2.21 -2.21

Hemihydrate  
-2.97 -2.97

Anhydrite  
-2.46 -2.46

Celestite  
-1.65 -1.65

Iron Sulfide  
0.00 0.00

Zinc Sulfide  
0.00 0.00

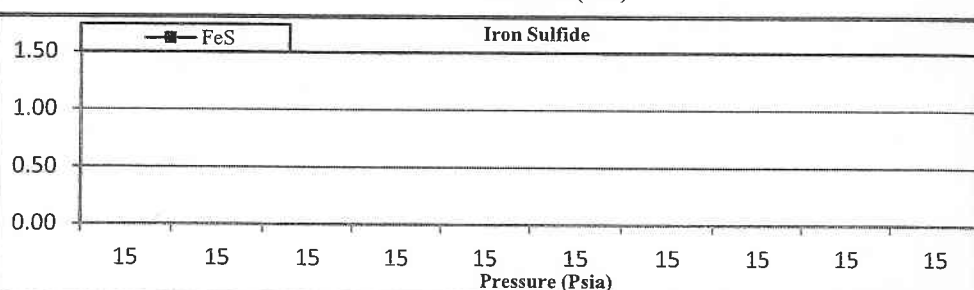
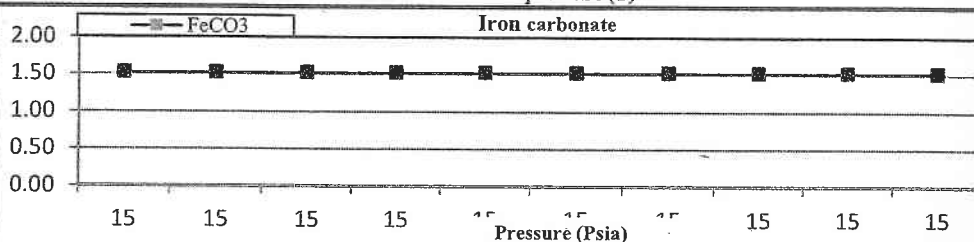
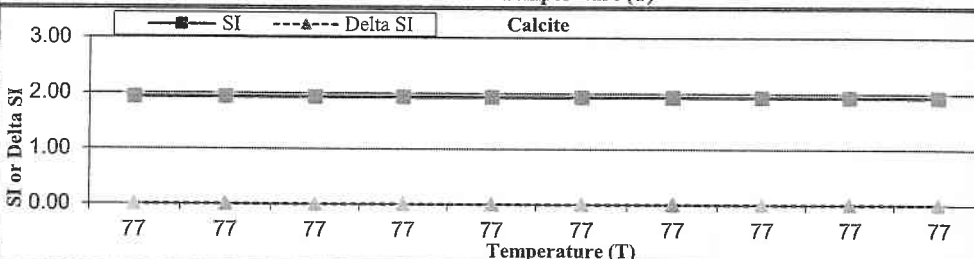
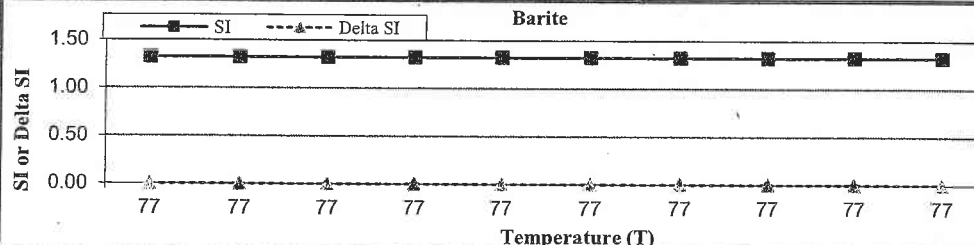
Calcium fluoride  
0.00 0.00

Iron Carbonate  
1.52 1.52

### Inhibitor needed (mg/L)

Calcite NTMP  
0.32 0.32

Barite BHPMP  
0.04 0.04



Lab Manager: Andrea Craig  
Analysis by:

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: EOG RESOURCES INC

Well Name: HOSS 905-31 SWD

Api No: 43-047-50303 Lease Type: FEDERAL

Section 31 Township 08S Range 23E County UINTAH

Drilling Contractor CRAIG'S ROUSTABOUT SERV RIG # BUCKET

### **SPUDDED:**

Date 09/02/2009

Time 8:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by KENT DAVENPORT

Telephone # (435) 828-8200

Date 09/022009 Signed CHD



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: EOG Resources, Inc. Operator Account Number: N 9550  
Address: 1060 East Highway 40  
city Vernal  
state UT zip 84078 Phone Number: (435) 781-9145

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50300	HOSS 906-31 SWD		NESE	31	8S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	99996	9/10/2009			9/17/09	
Comments: <u>BIRDSNEST ZONE</u> <u>GREV</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-50303	HOSS 905-31 SWD		SESW	31	8S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	99996	9/2/2009			9/17/09	
Comments: <u>BIRDSNEST ZONE</u> <u>GREV</u>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments: 							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mickenzie Thacker

Name (Please Print)

Signature

Operations Clerk

Title

9/2/2009

Date

**RECEIVED**

**SEP 14 2009**

DIV. OF OIL, GAS & MINING